

California High-Speed Train Project



**Request for Proposal
for Design-Build Services**

**RFP No.: HSR 11-16
Geotechnical Data Report
Clinton Ave to East American Ave**

**Appendix C
Cone Penetration Test Records**

Appendix C

Cone Penetration Test Records

Table C-1
Summary of CPT Locations, Depths, and In Situ Testing

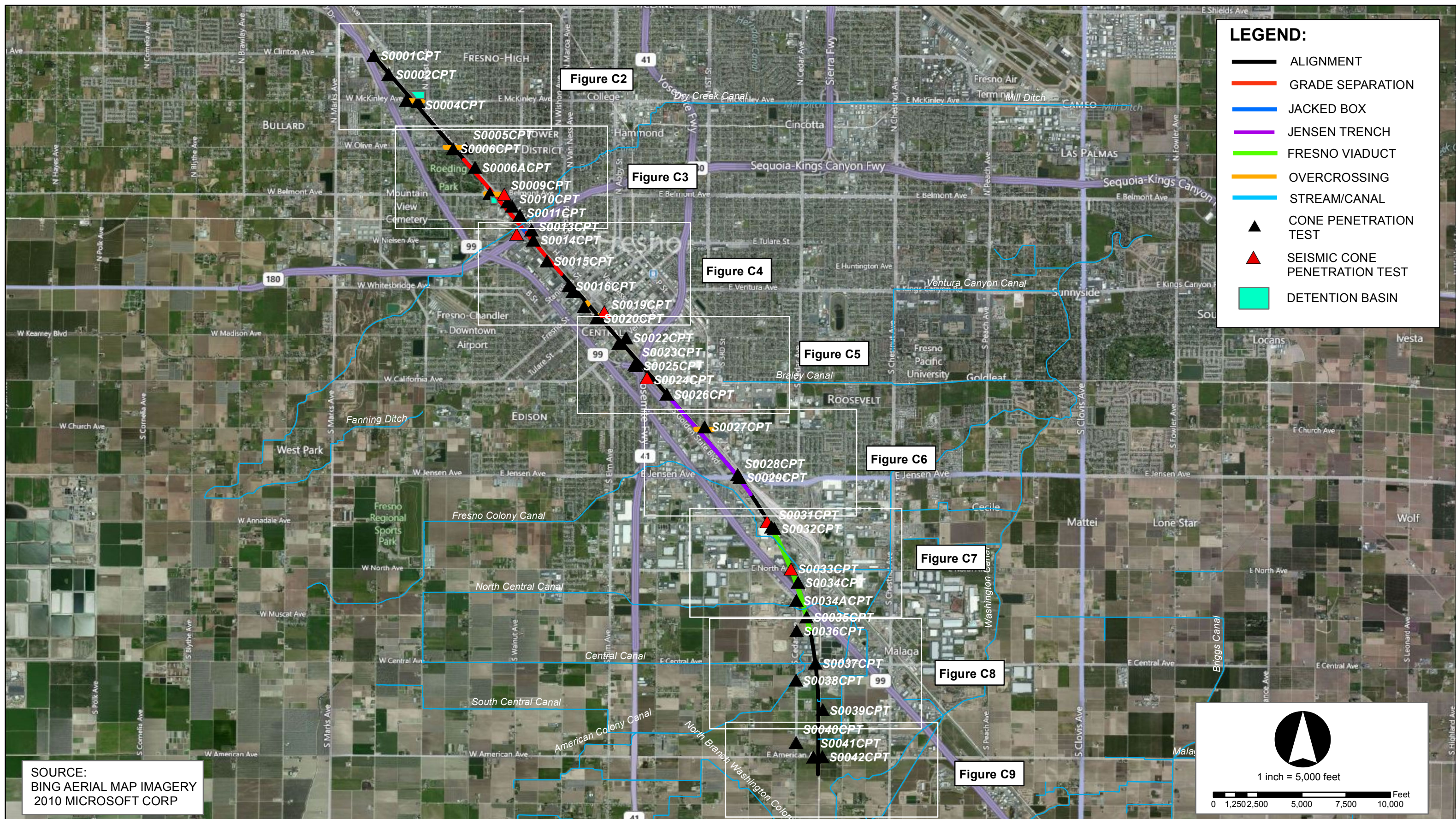
CPT ID	Elevation (NAVD88) (ft)	Northing (NAD83) (ft)	Easting (NAD83) (ft)	Hand-Auger/Pre-Drill Depths (ft)	Measured Depth to (ft)	Total Depth (ft)	In Situ Testing	
							SCPT ^[1]	PPDT ^[2]
S0001CPT	2,165,095	6,316,493	296.60	0 to 5	-	80.2		✓
S0002CPT	2,164,037	6,317,351	293.70	0 to 5; 6 to 9	-	50.0		
S0003CPT	2,162,577	6,318,313	287.50	0 to 5	-	80.2		
S0004CPT	2,162,522	6,318,980	289.20	0 to 4.5	-	80.7		
S0005CPT	2,159,881	6,321,692	292.50	0 to 5	-	80.0		✓
S0006CPT	2,159,855	6,320,967	295.10	0 to 15	-	80.1		✓
S0006ACPT	2,158,797	6,322,193	290.10	0 to 5	-	52.5		
S0007CPT	2,157,330	6,323,012	287.10	0 to 5	-	76.4		
S0008CPT	2,156,854	6,324,017	285.30	0 to 5.5; 29 to 36	-	100.2		✓
S0009CPT	2,157,307	6,323,848	286.80	0 to 4.5	-	105.8	✓	✓
S0010CPT	2,156,609	6,324,306	283.40	0 to 4	-	59.2		
S0011CPT	2,156,092	6,324,747	284.40	0 to 6	-	66.6		
S0012CPT	2,155,038	6,324,548	288.90	0 to 4.5	-	102.7	✓	✓
S0013CPT	2,155,267	6,325,407	285.10	0 to 4.5; 9 to 11; 14 to 24	-	101.2		
S0014CPT	2,154,687	6,325,494	287.60	0 to 5	-	52.2		
S0015CPT	2,153,499	6,326,261	286.10	0 to 5	-	114.7		
S0016CPT	2,152,083	6,327,476	285.40	0 to 5	-	67.3		✓
S0017CPT	2,151,787	6,327,731	286.30	0 to 5	-	80.4		
S0018CPT	2,150,922	6,328,346	286.00	0 to 5	-	80.4		
S0019CPT	2,150,638	6,329,493	289.10	0 to 5	-	81.5	✓	
S0020CPT	2,150,349	6,329,144	289.00	0 to 5	-	80.1		
S0021CPT	2,148,902	6,330,415	292.60	0 to 5	-	80.4		
S0022CPT	2,149,159	6,330,712	293.00	0 to 5	-	80.1		✓
S0023CPT	2,165,095	6,316,493	285.00	0 to 5	94.5	150.6		✓
S0024CPT	2,164,037	6,317,351	284.70	0 to 5	95.0	103.8	✓	✓
S0025CPT	2,162,577	6,318,313	284.70	0 to 5	-	150.6		✓
S0026CPT	2,162,522	6,318,980	283.80	0 to 5	-	64.0		
S0027CPT	2,159,881	6,321,692	286.60	0 to 5	-	80.4		
S0028CPT	2,159,855	6,320,967	286.80	0 to 5	-	45.1		
S0029CPT	2,158,797	6,322,193	287.90	0 to 5	-	80.0		✓
S0030CPT	2,157,330	6,323,012	288.90	0 to 5	-	64.1	✓	
S0031CPT	2,156,854	6,324,017	289.30	0 to 5.5	-	150.4		✓
S0032CPT	2,157,307	6,323,848	290.10	0 to 4.5	-	90.7		✓
S0033CPT	2,156,609	6,324,306	290.50	0 to 15	-	75.1	✓	
S0034CPT	2,156,092	6,324,747	297.00	0 to 5	-	84.0		
S0034ACPT	2,155,038	6,324,548	303.70	0 to 5	-	95.1	✓	✓

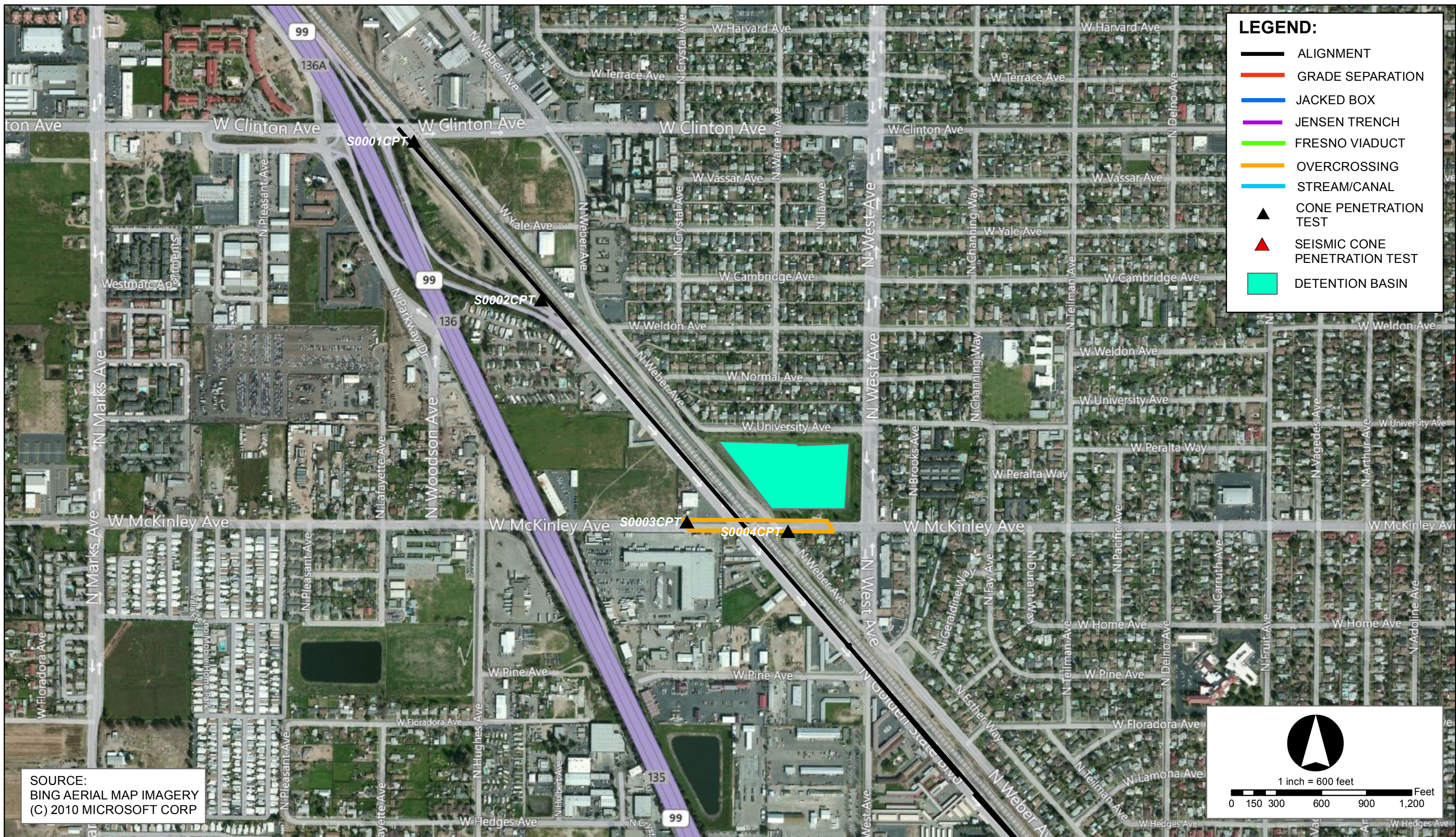
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Summary of CPT Locations, Depths, and In Situ Testing

CPT ID	Elevation (NAVD88) (ft)	Northing (NAD83) (ft)	Easting (NAD83) (ft)	Hand-Auger/Pre-Drill Depths (ft)	Measured Depth to (ft)	Total Depth (ft)	In Situ Testing	
							SCPT ^[1]	PPDT ^[2]
S0035CPT	2,155,267	6,325,407	289.20	0 to 5	61.0	100.2		✓
S0036CPT	2,154,687	6,325,494	288.00	0 to 5; 13 to 22	96.0	100.2		✓
S0037CPT	2,153,499	6,326,261	289.30	0 to 5	31.0	80.0		✓
S0038CPT	2,152,083	6,327,476	287.30	0 to 5	-	50.2		
S0039CPT	2,151,787	6,327,731	290.40	0 to 5	-	50.3		
S0040CPT	2,150,922	6,328,346	289.20	0 to 5	-	55.6		
S0041CPT	2,150,638	6,329,493	293.10	0 to 5	60.9	80.2		✓
S0042CPT	2,150,349	6,329,144	291.50	0 to 5	66.0	80.0		

^[1] SCPT: seismic cone penetration test

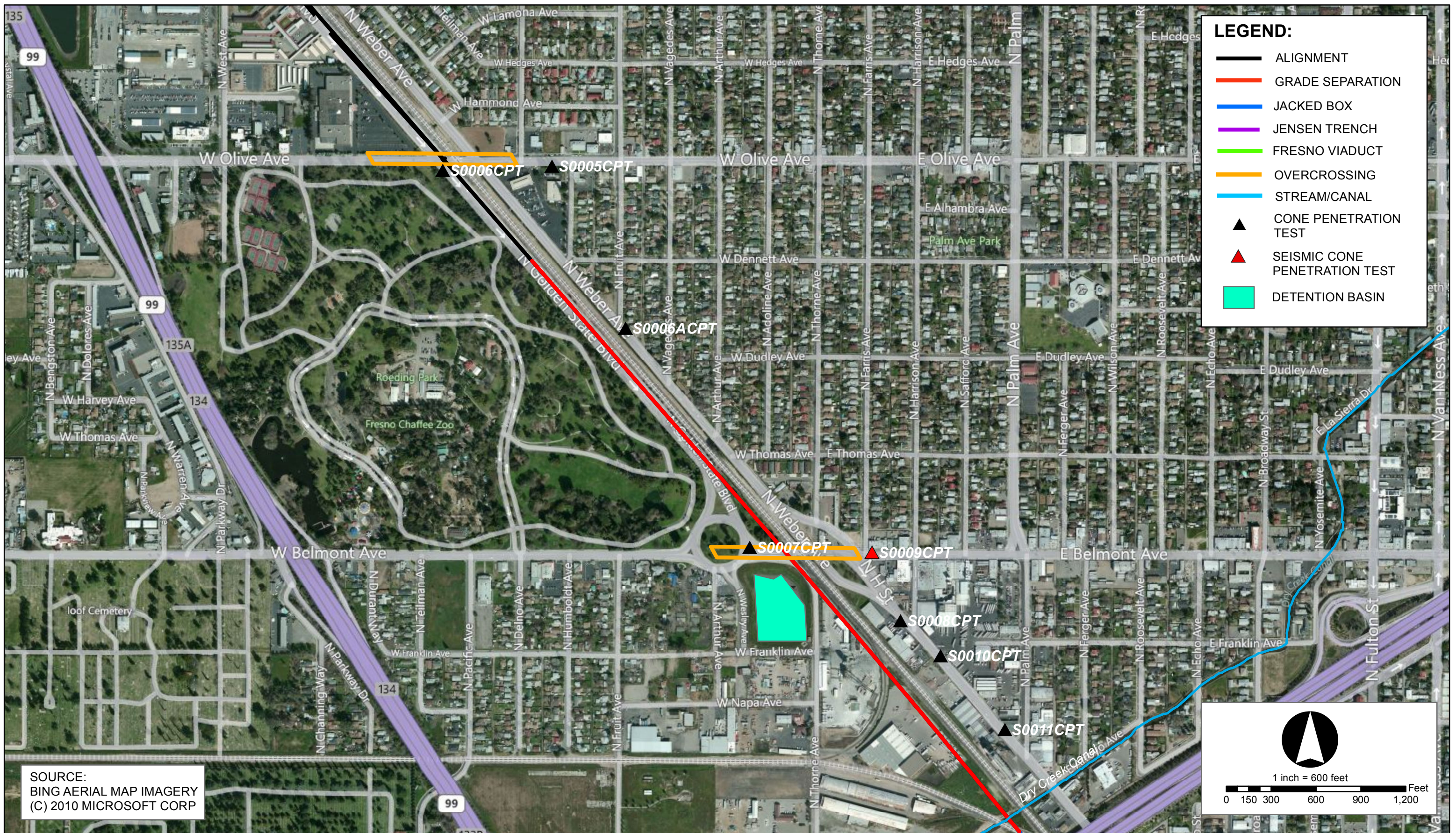
^[2] PPDT: pore pressure dissipation test



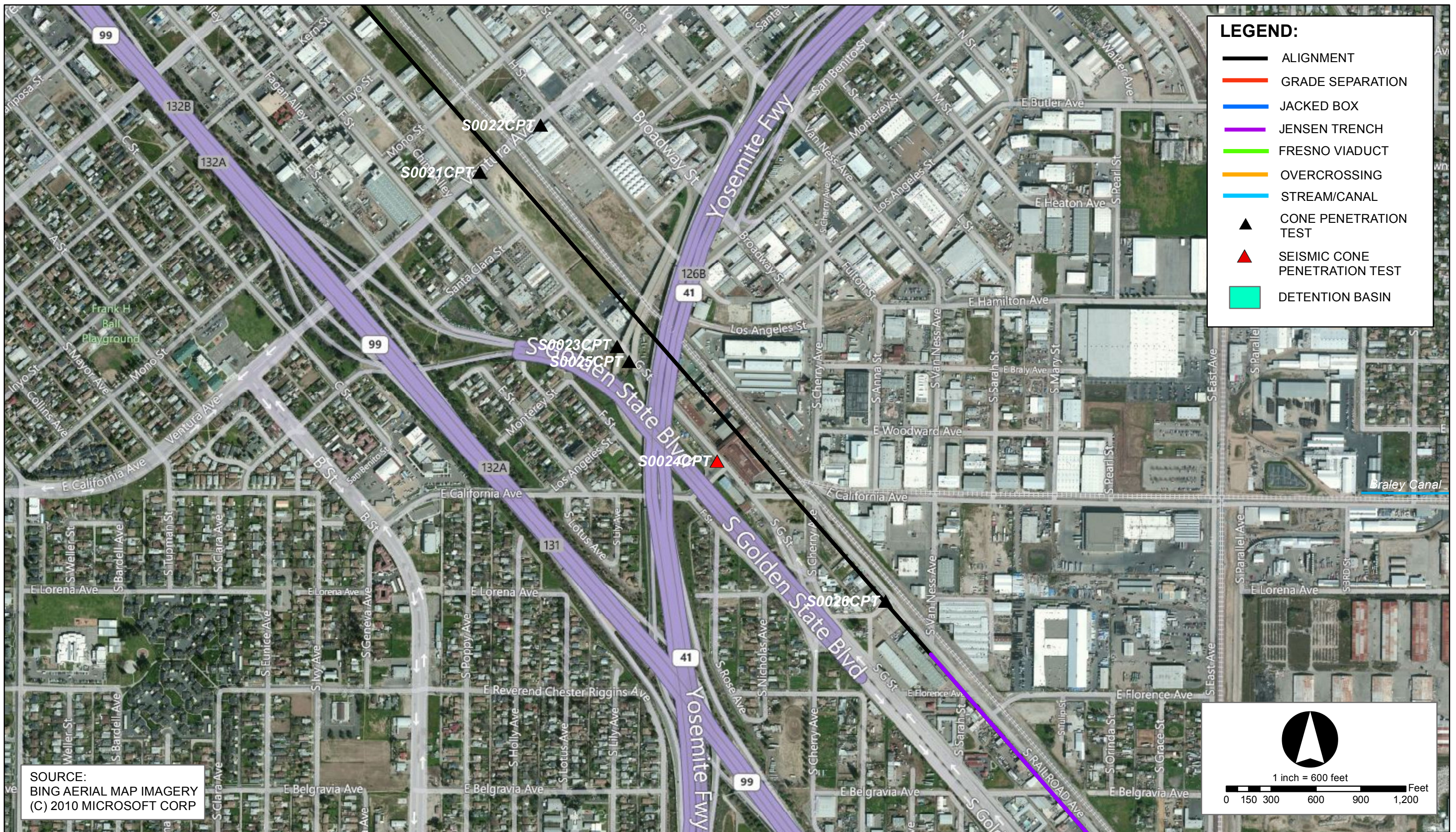


CONE PENETRATION TEST INDEX SHEET
California High Speed Train
Fresno to Bakersfield
Geotechnical Data Report - Package 1

Figure No. C2
February 2012

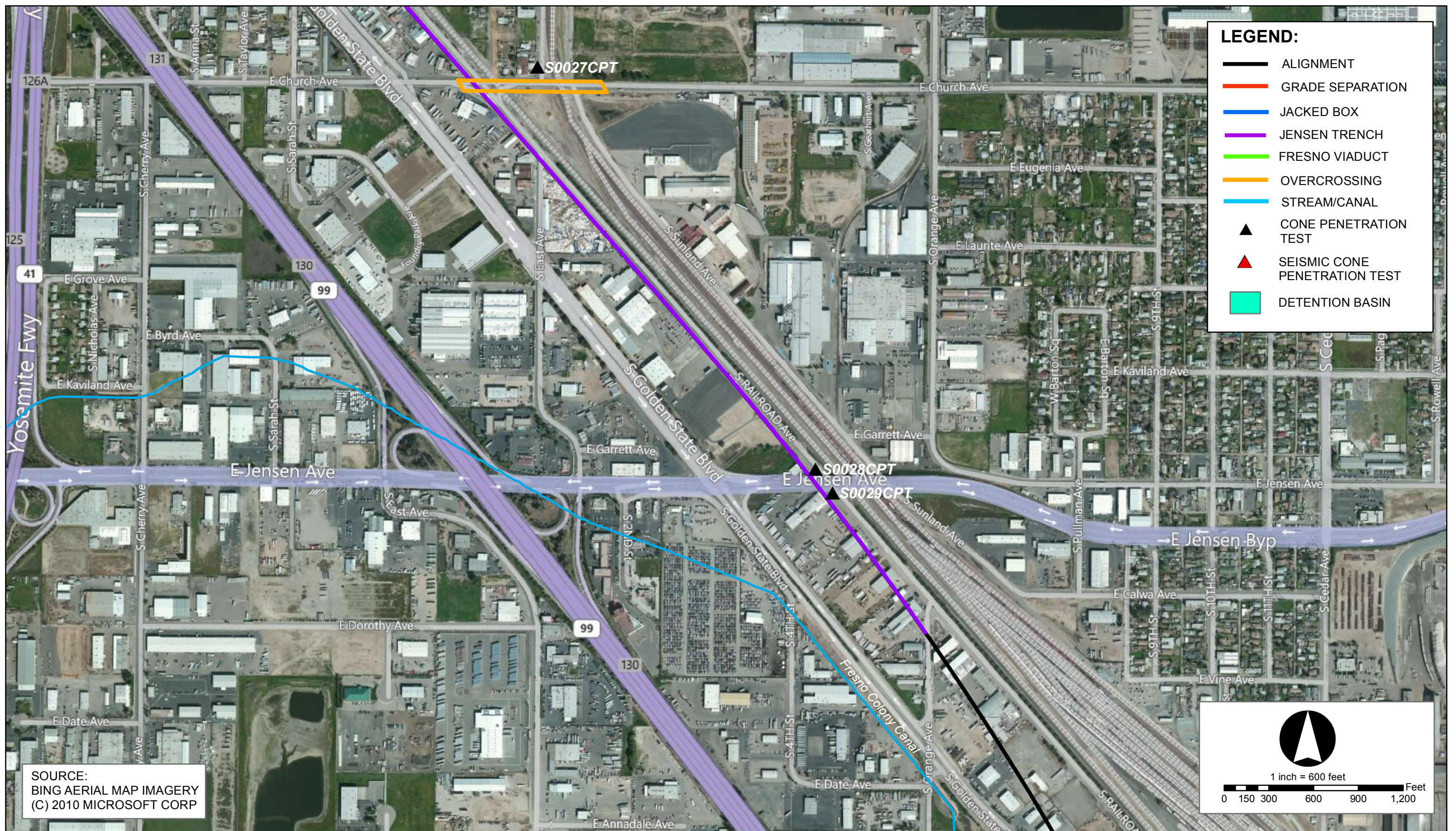


CONE PENETRATION TEST LOCATION MAP
California High Speed Train
Fresno to Bakersfield
Geotechnical Data Report - Package 1

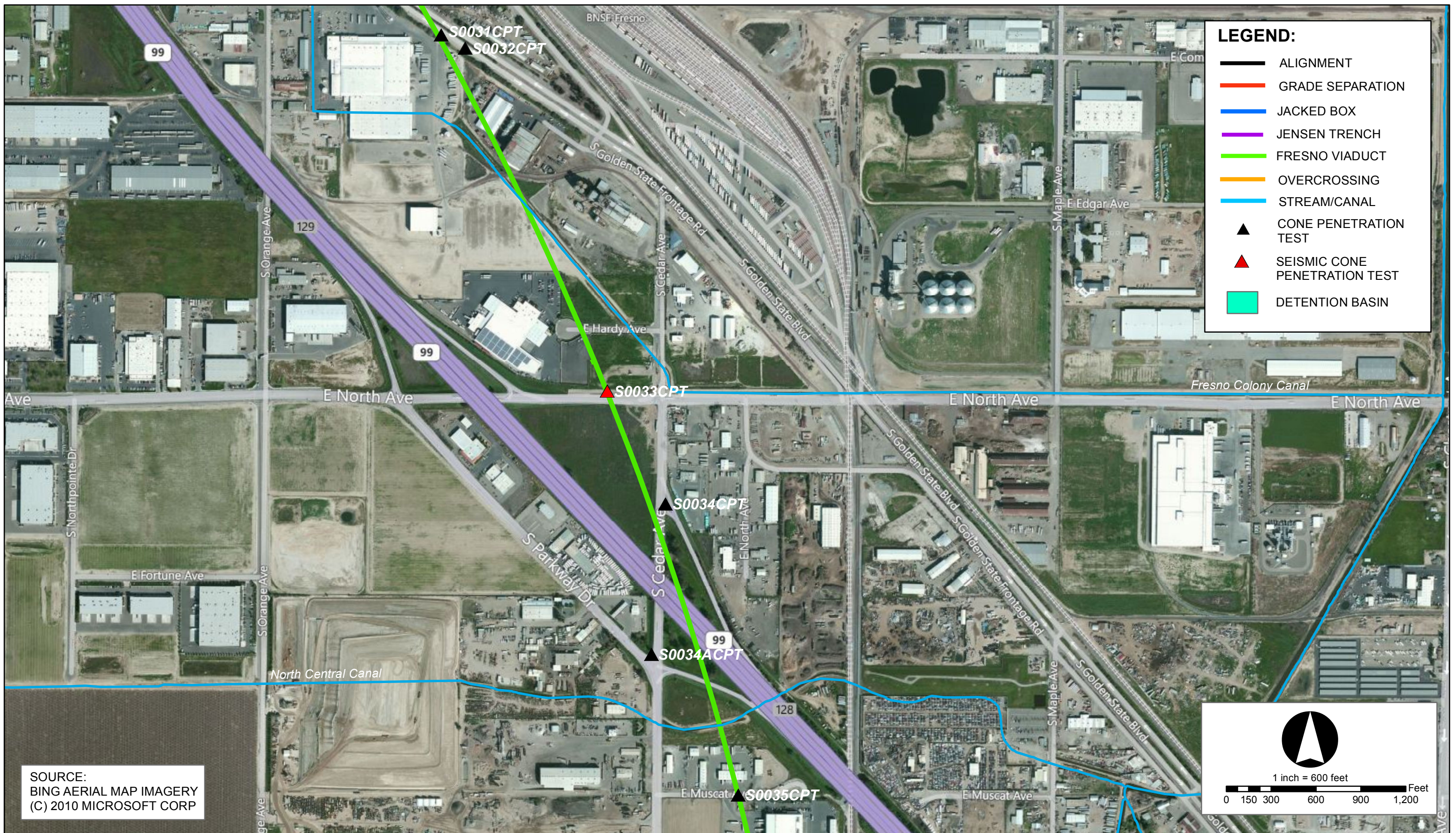


CONE PENETRATION TEST LOCATION MAP
California High Speed Train
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Geotechnical Data Report - Package 1

Figure No. C5
February 2012

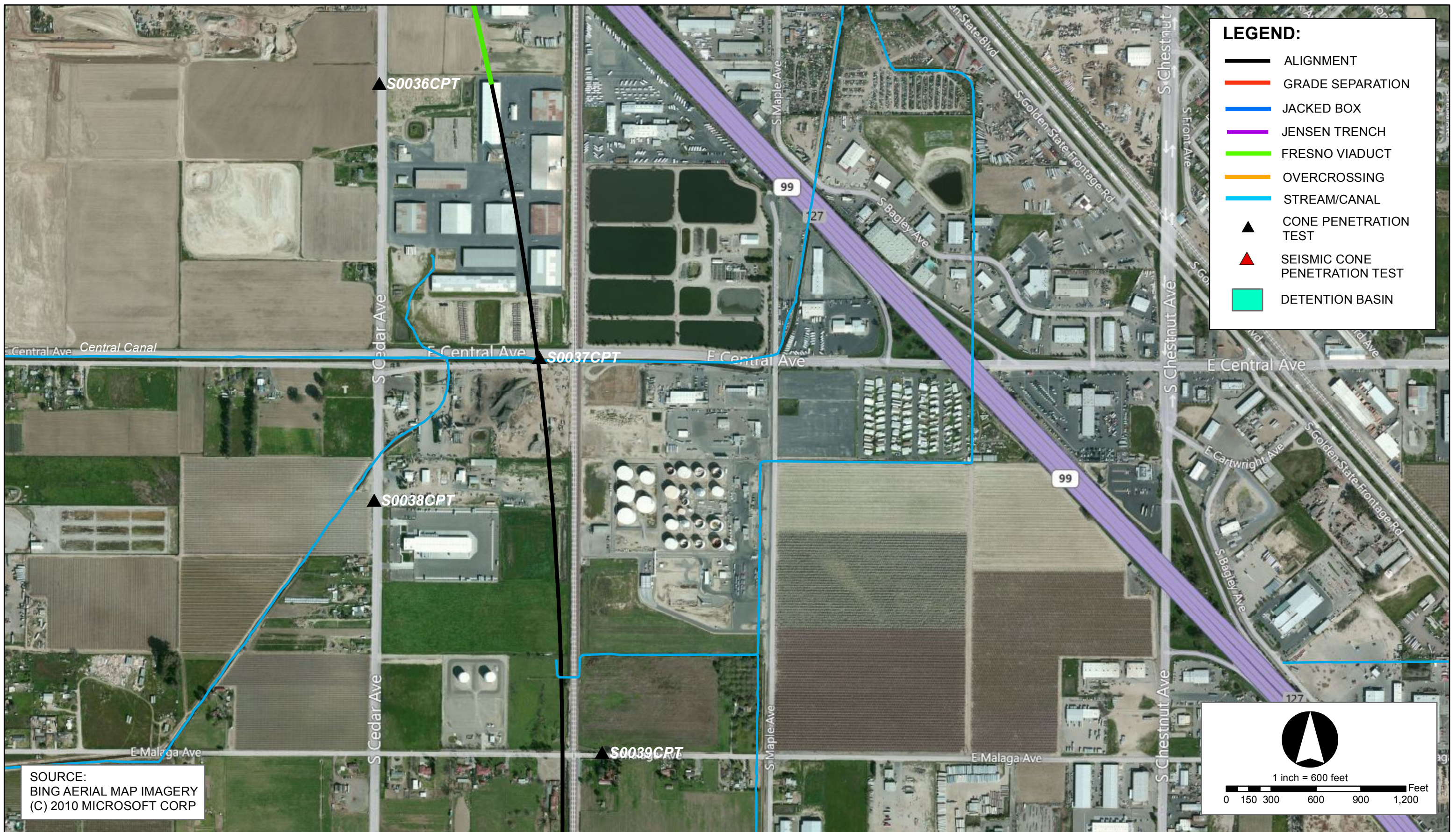


CONE PENETRATION TEST LOCATION MAP
California High Speed Train
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Geotechnical Data Report - Package 1

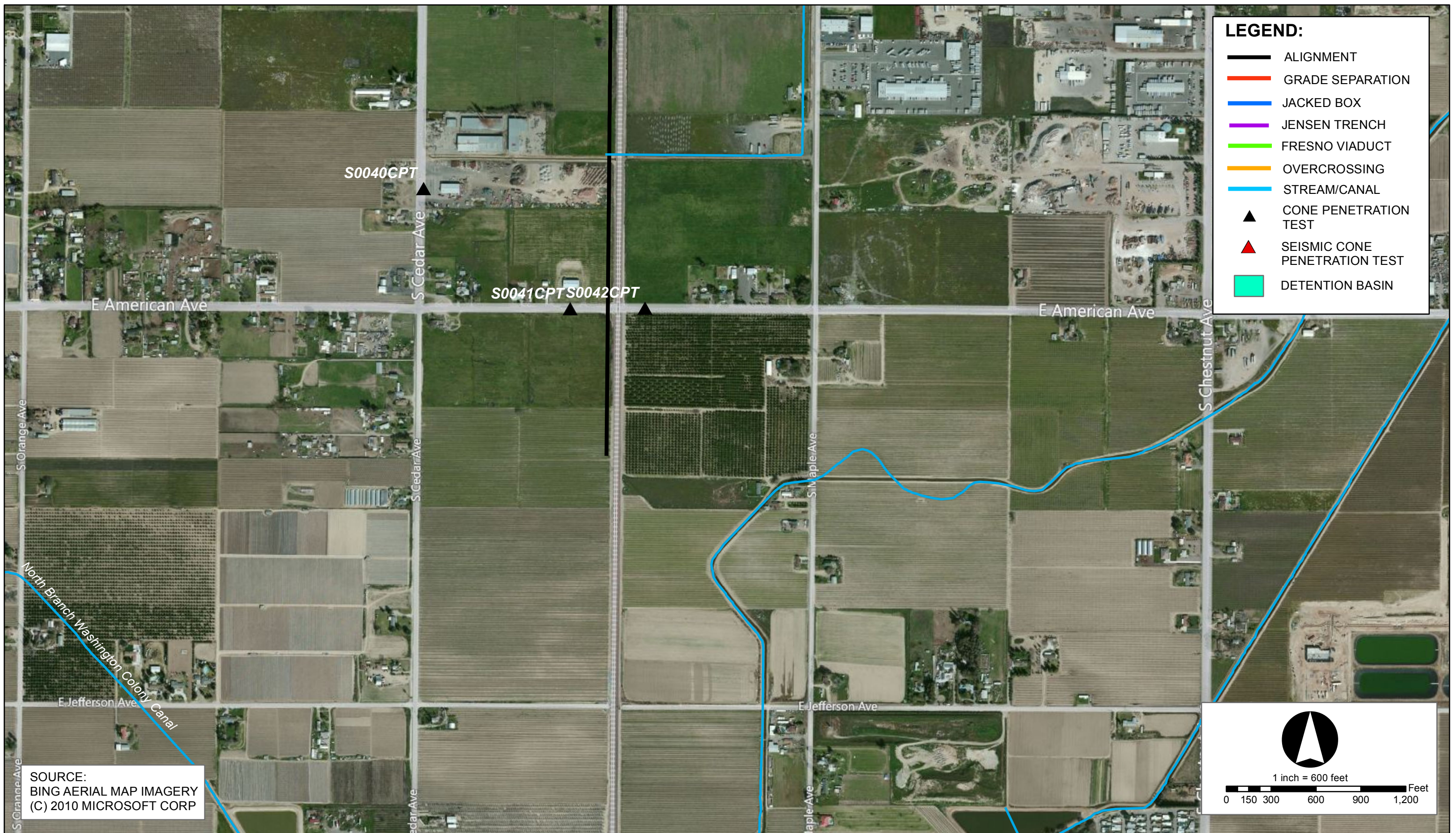


CONE PENETRATION TEST LOCATION MAP
California High Speed Train
Fresno to Bakersfield
Geotechnical Data Report - Package 1

Figure No. C7
 February 2012



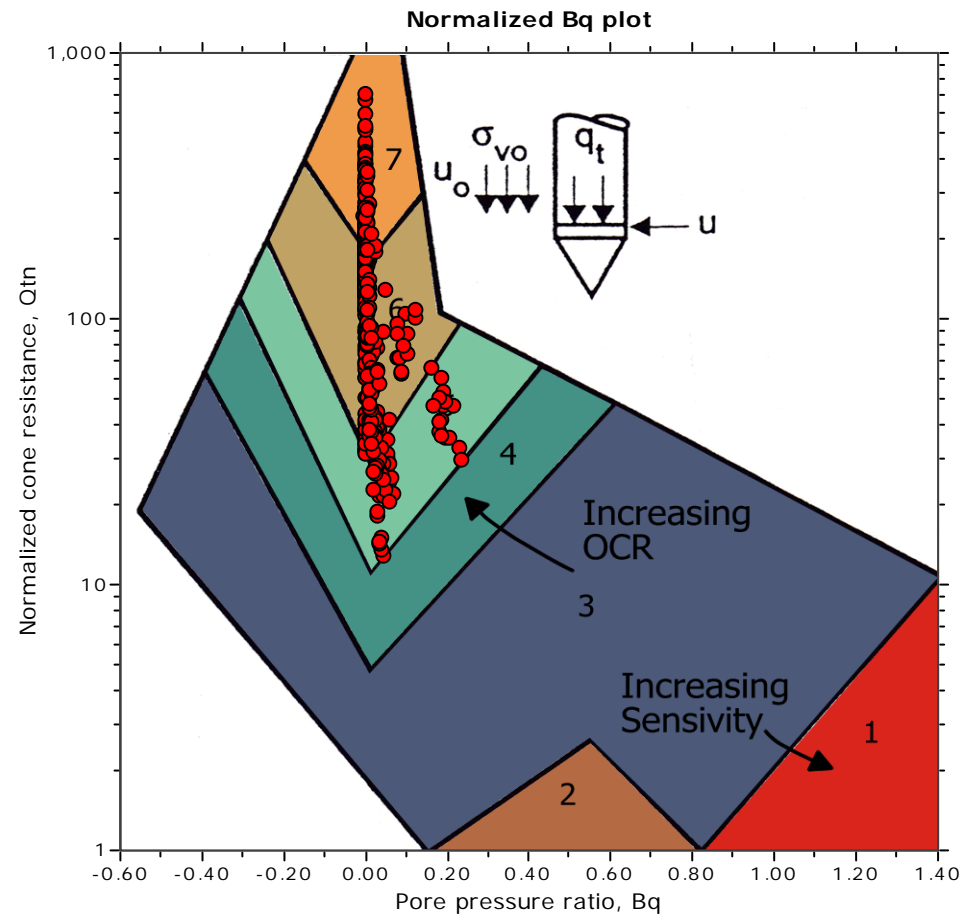
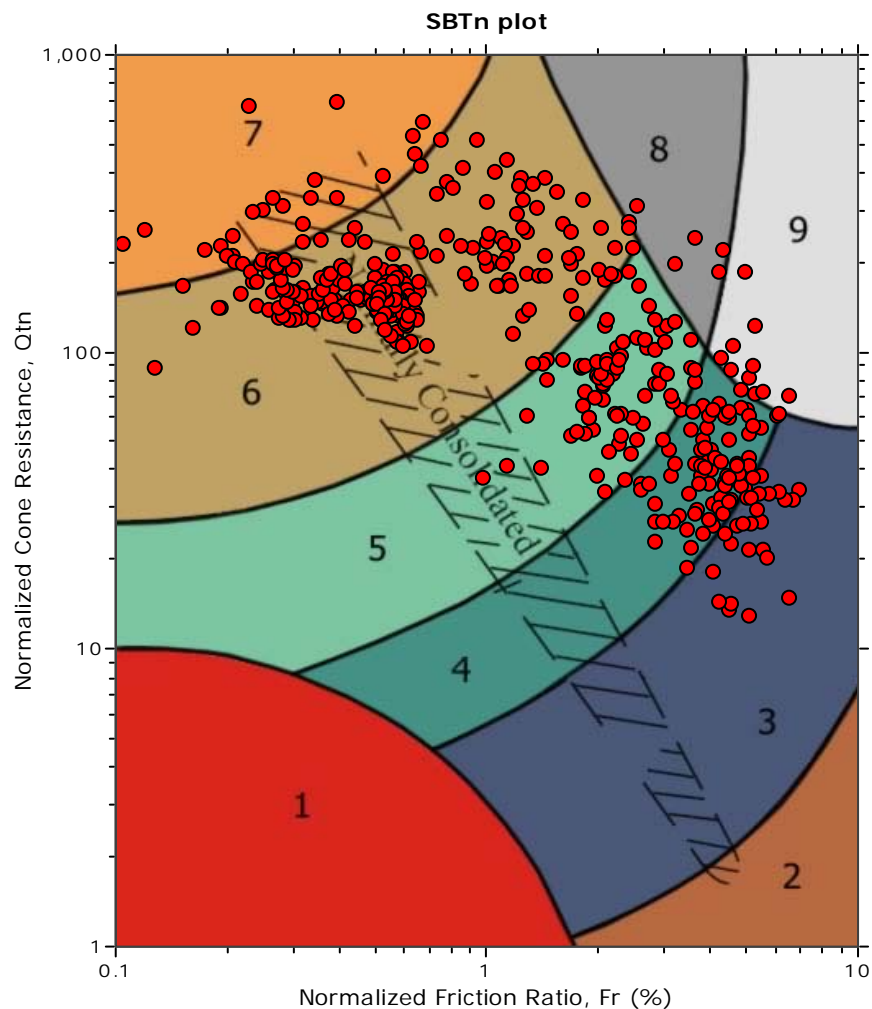
CONE PENETRATION TEST LOCATION MAP
California High Speed Train
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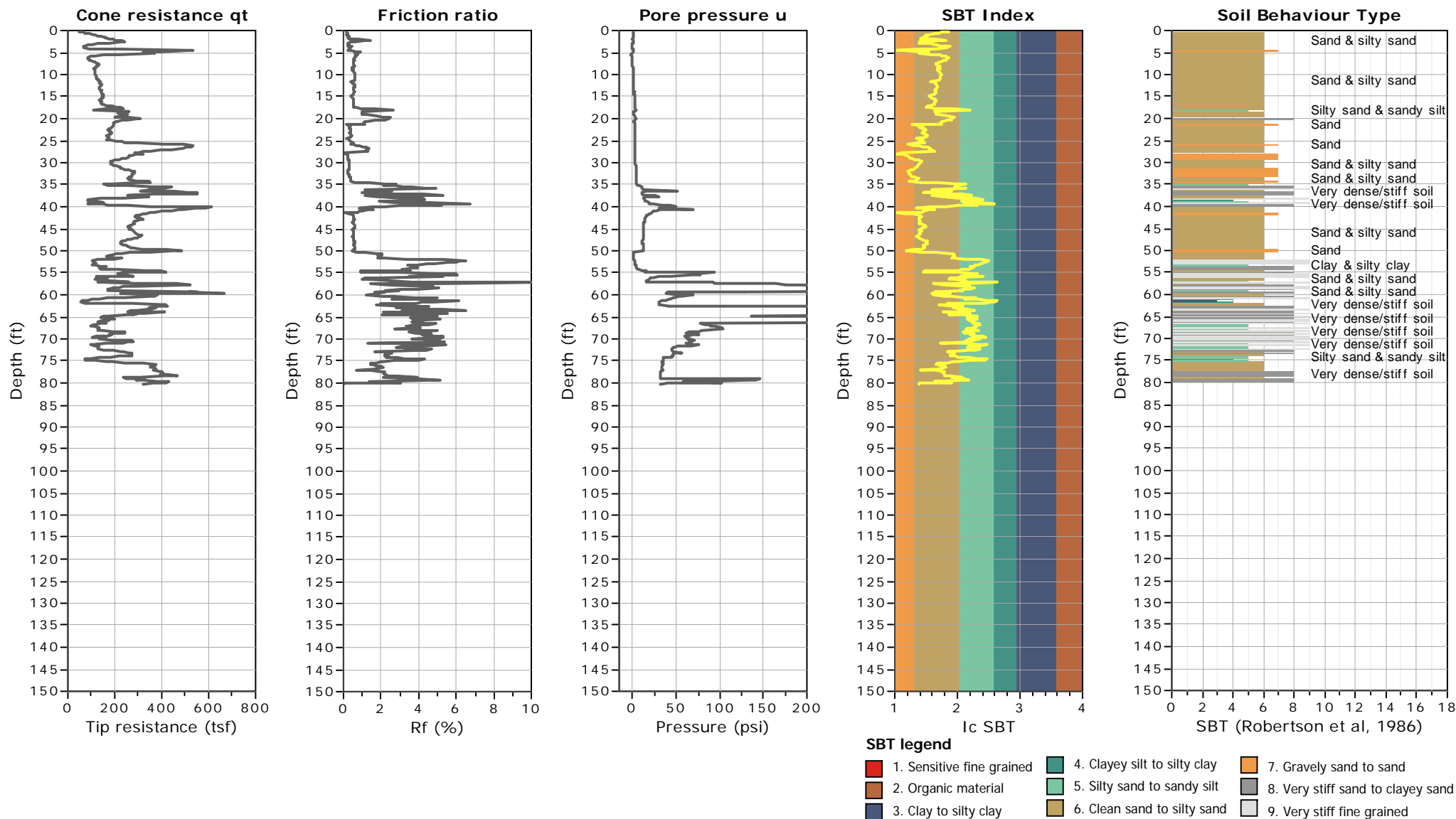
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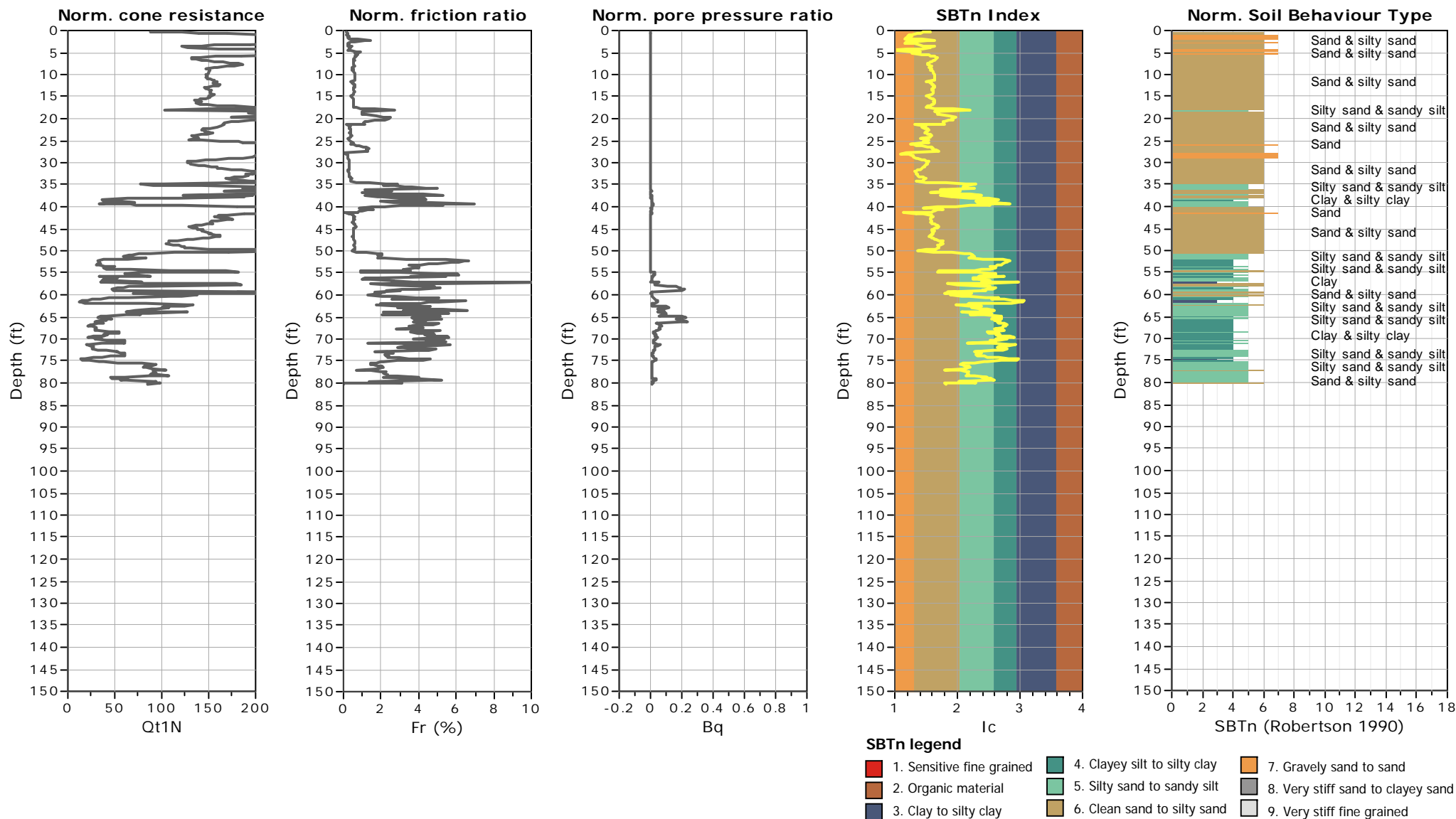
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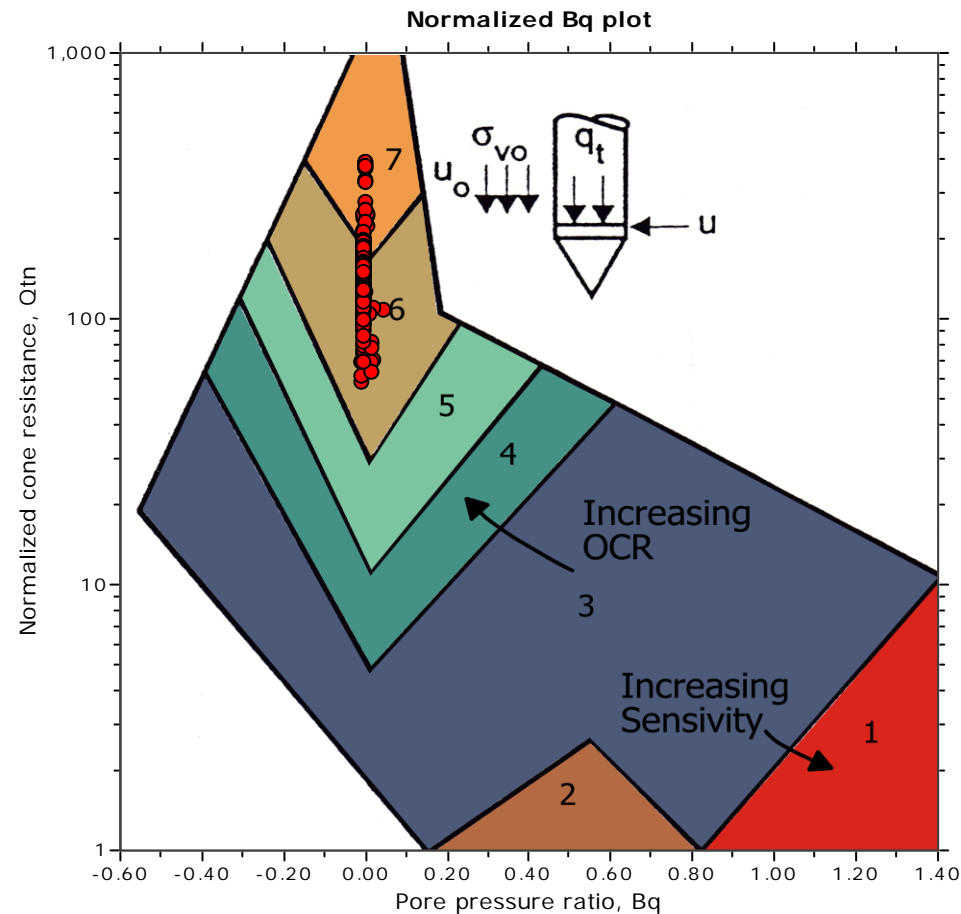
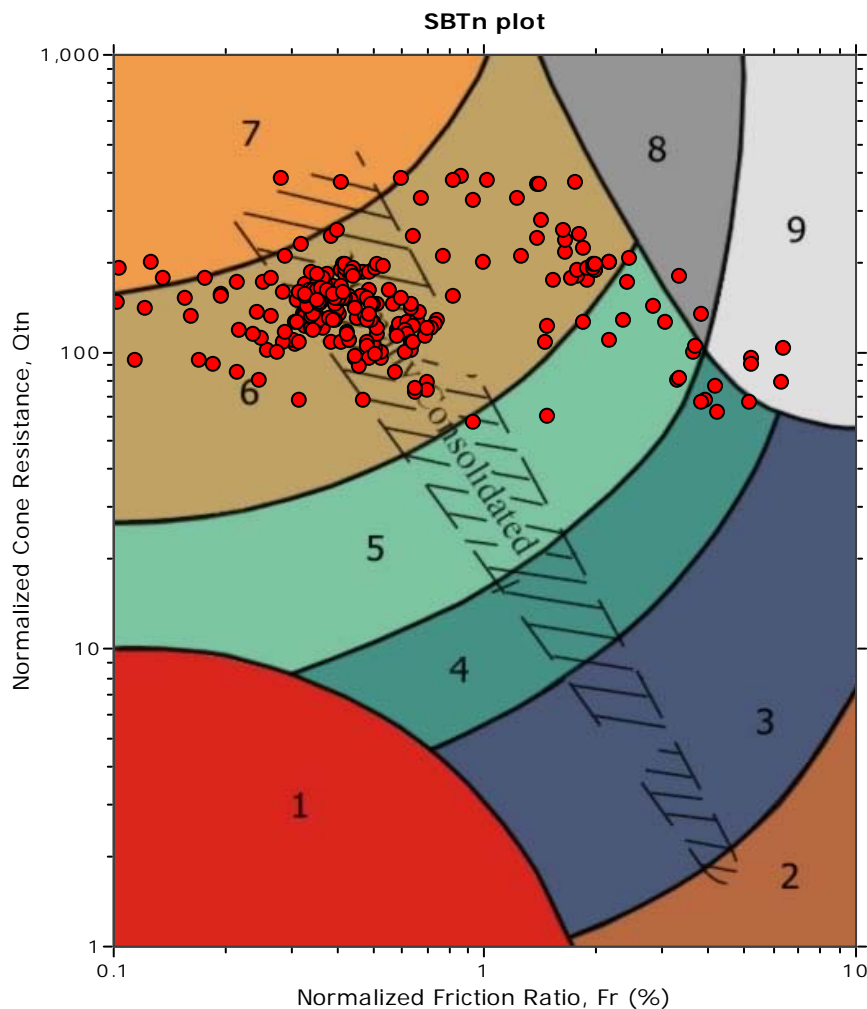
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



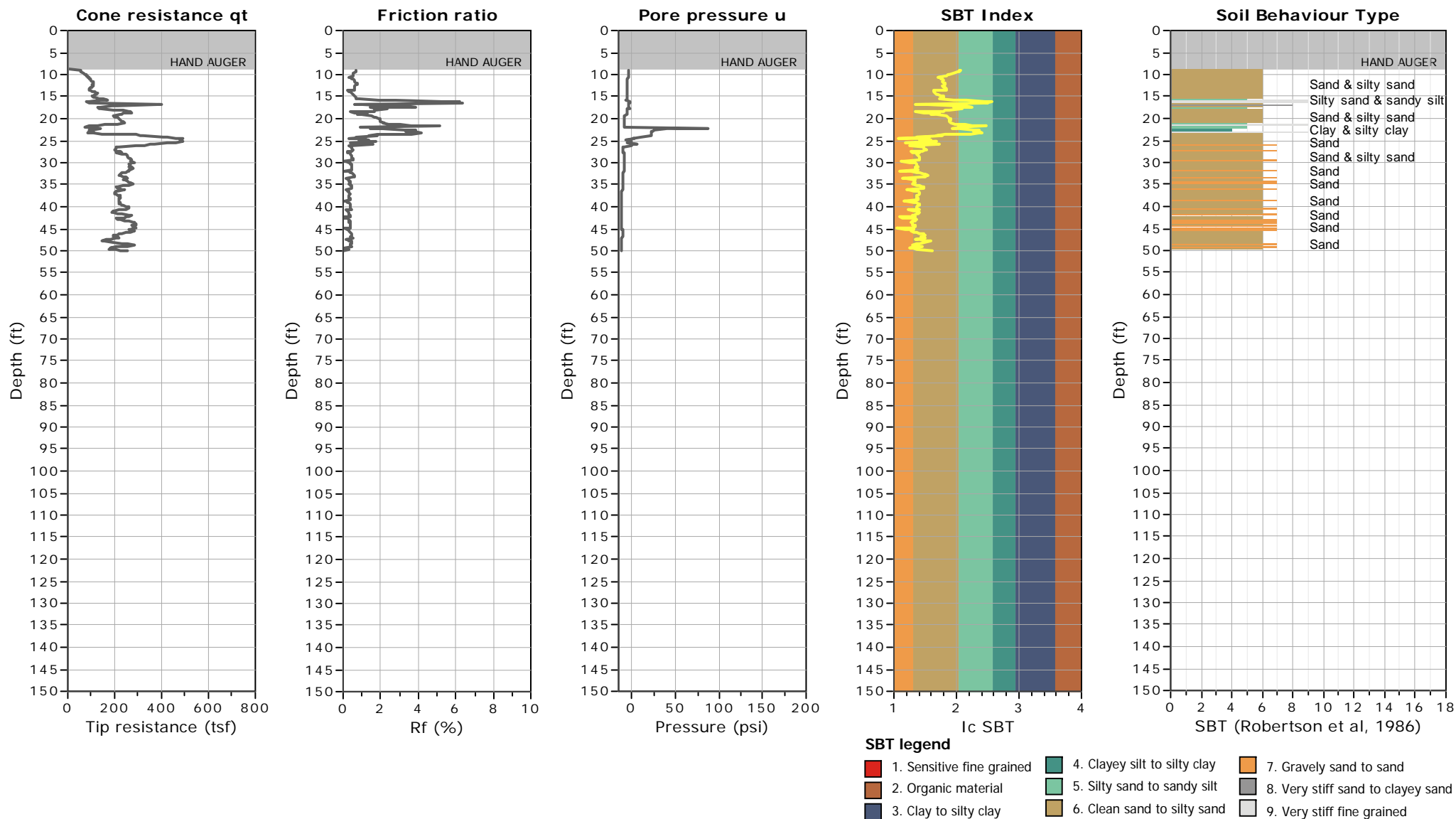


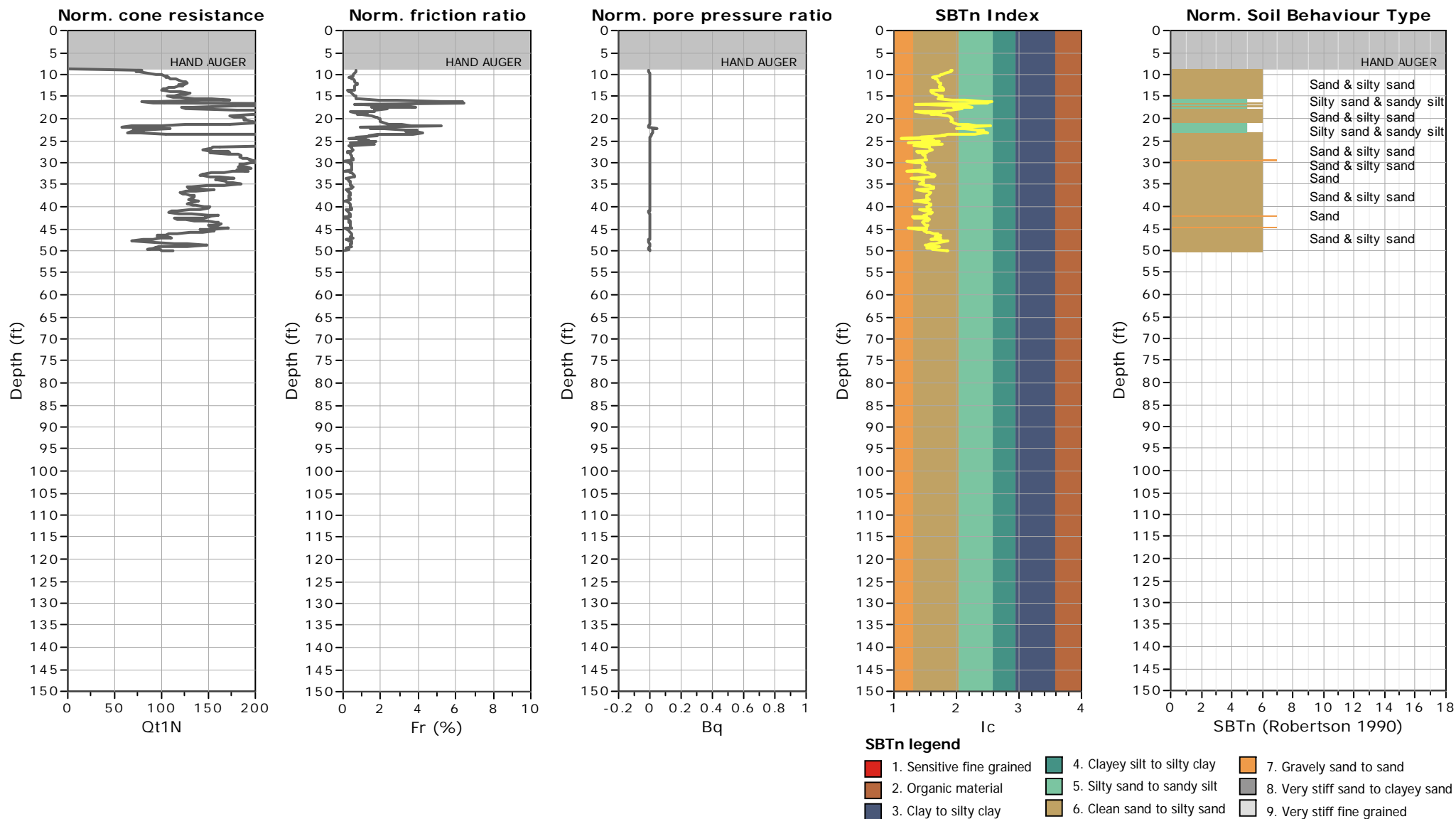
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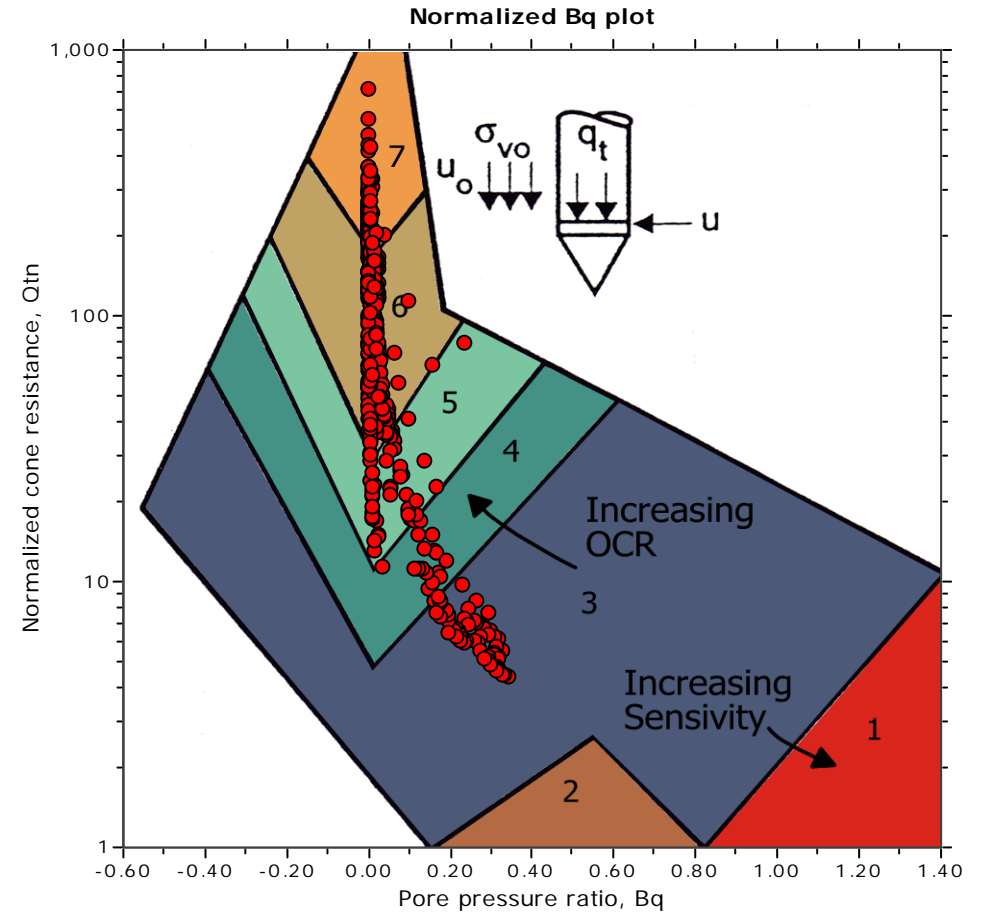
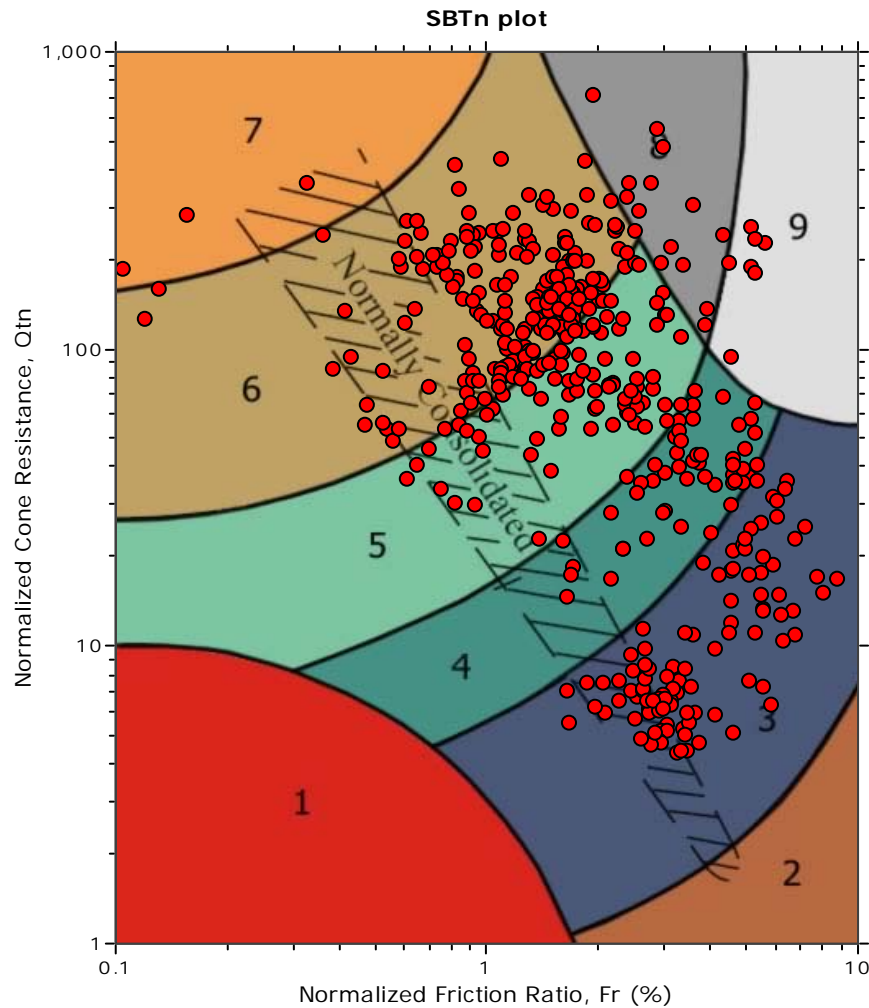
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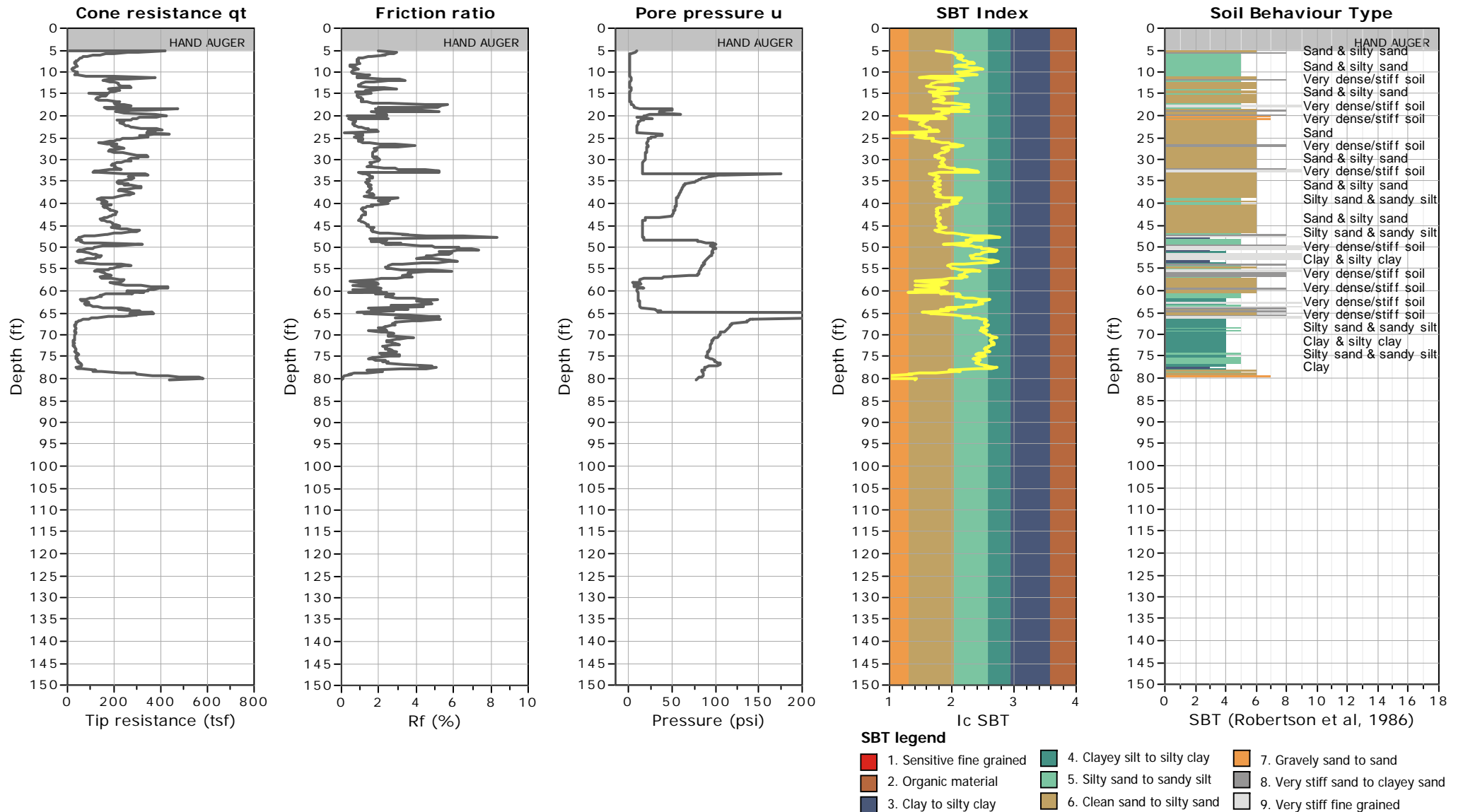


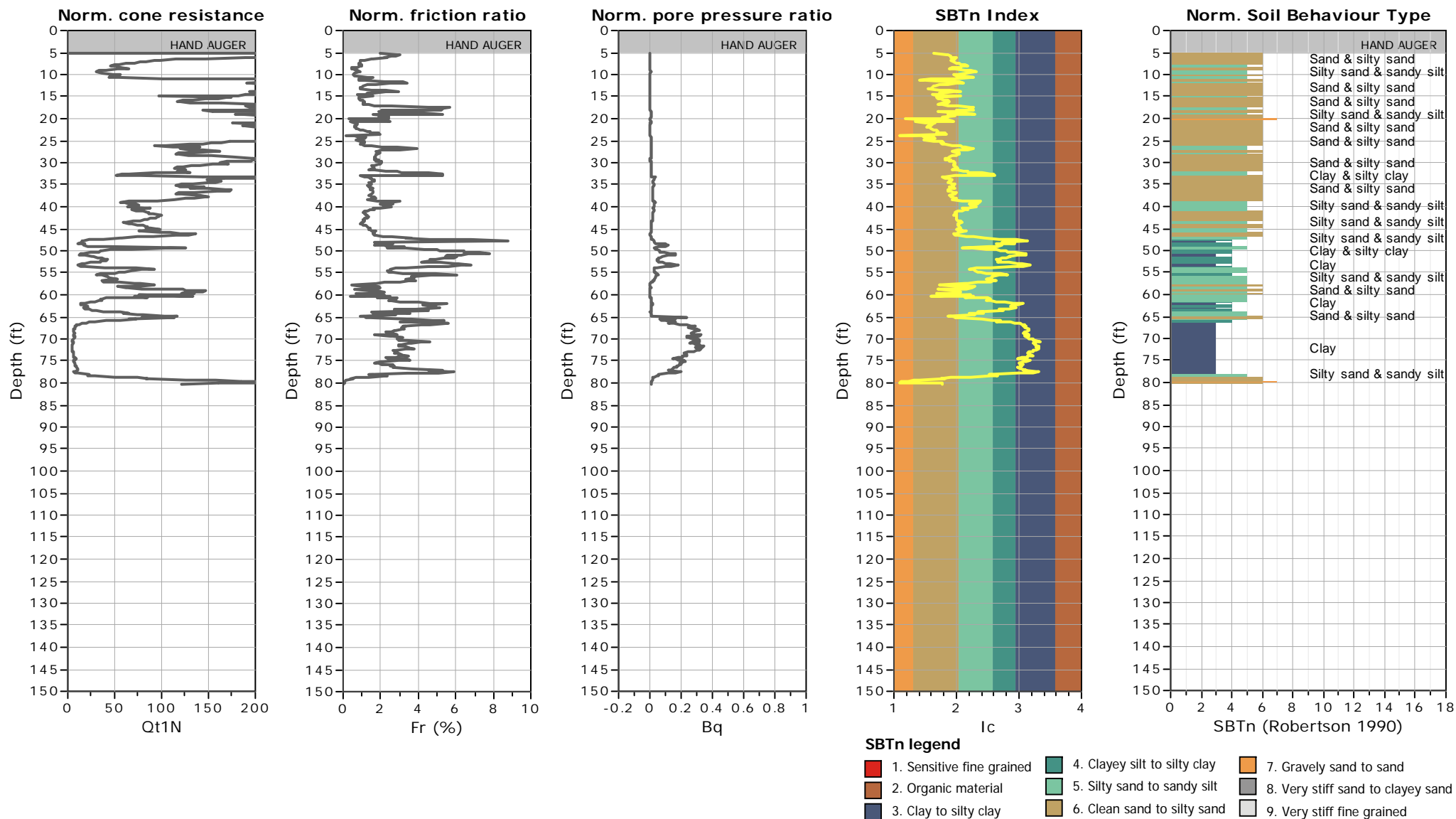
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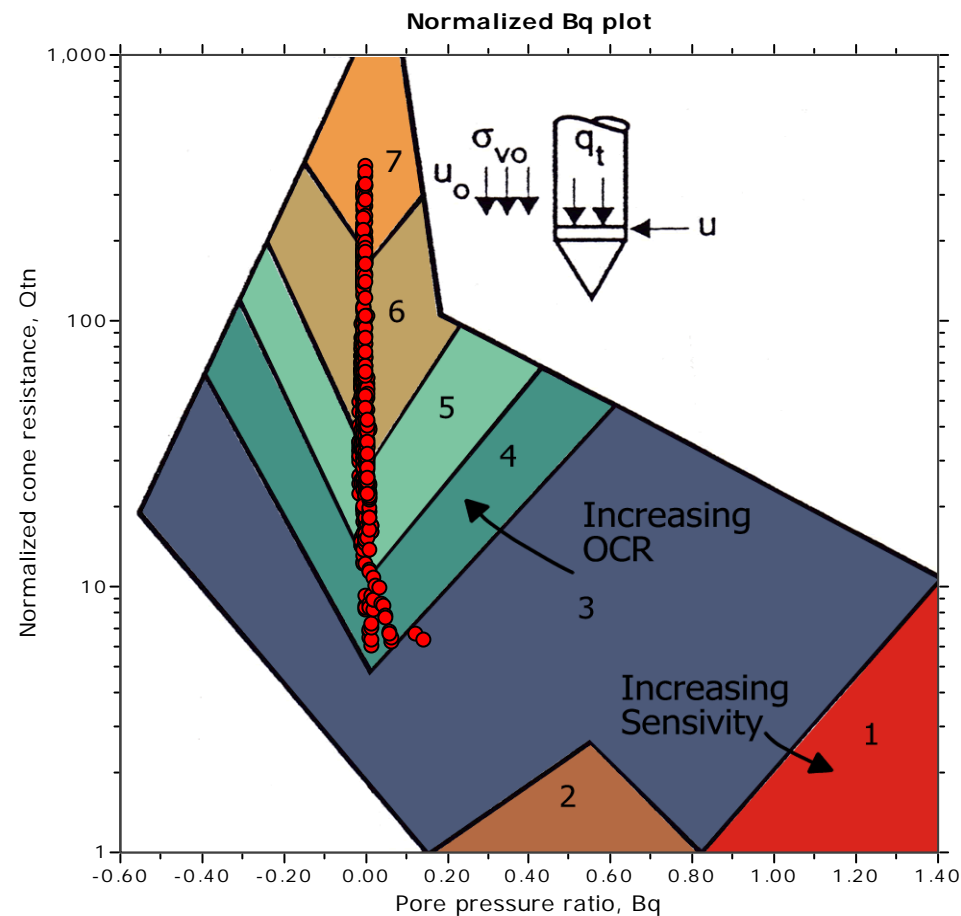
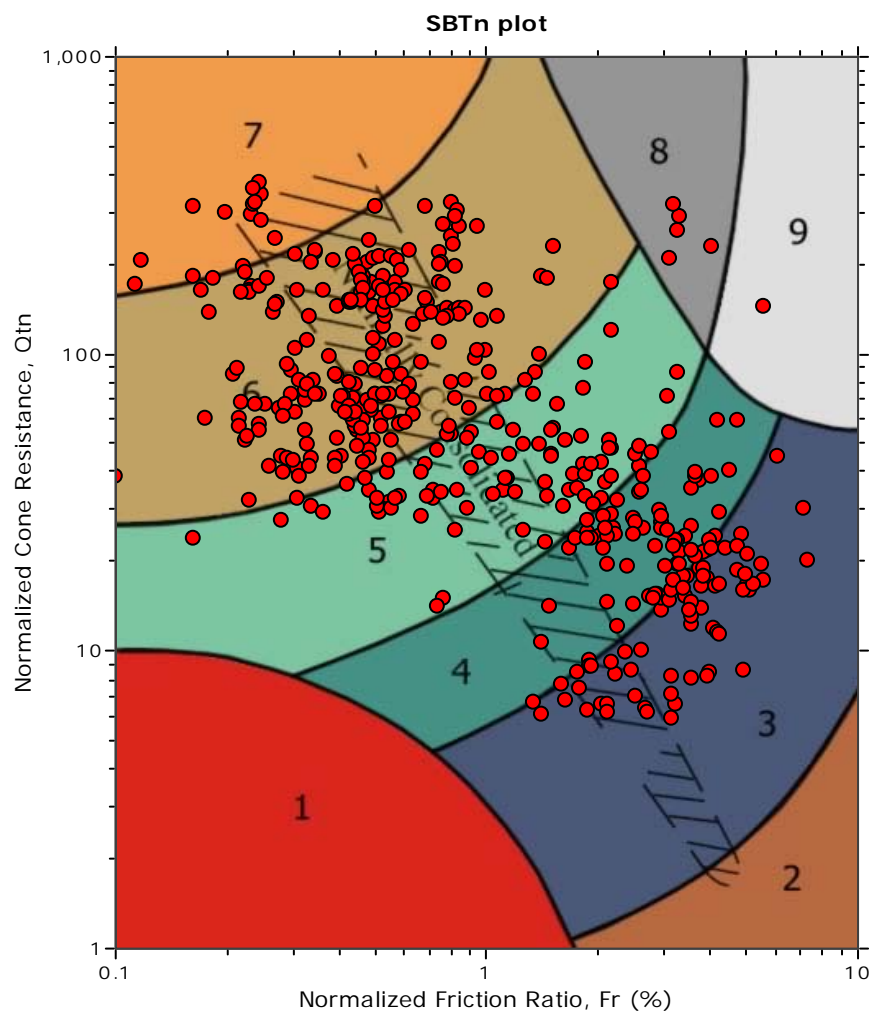
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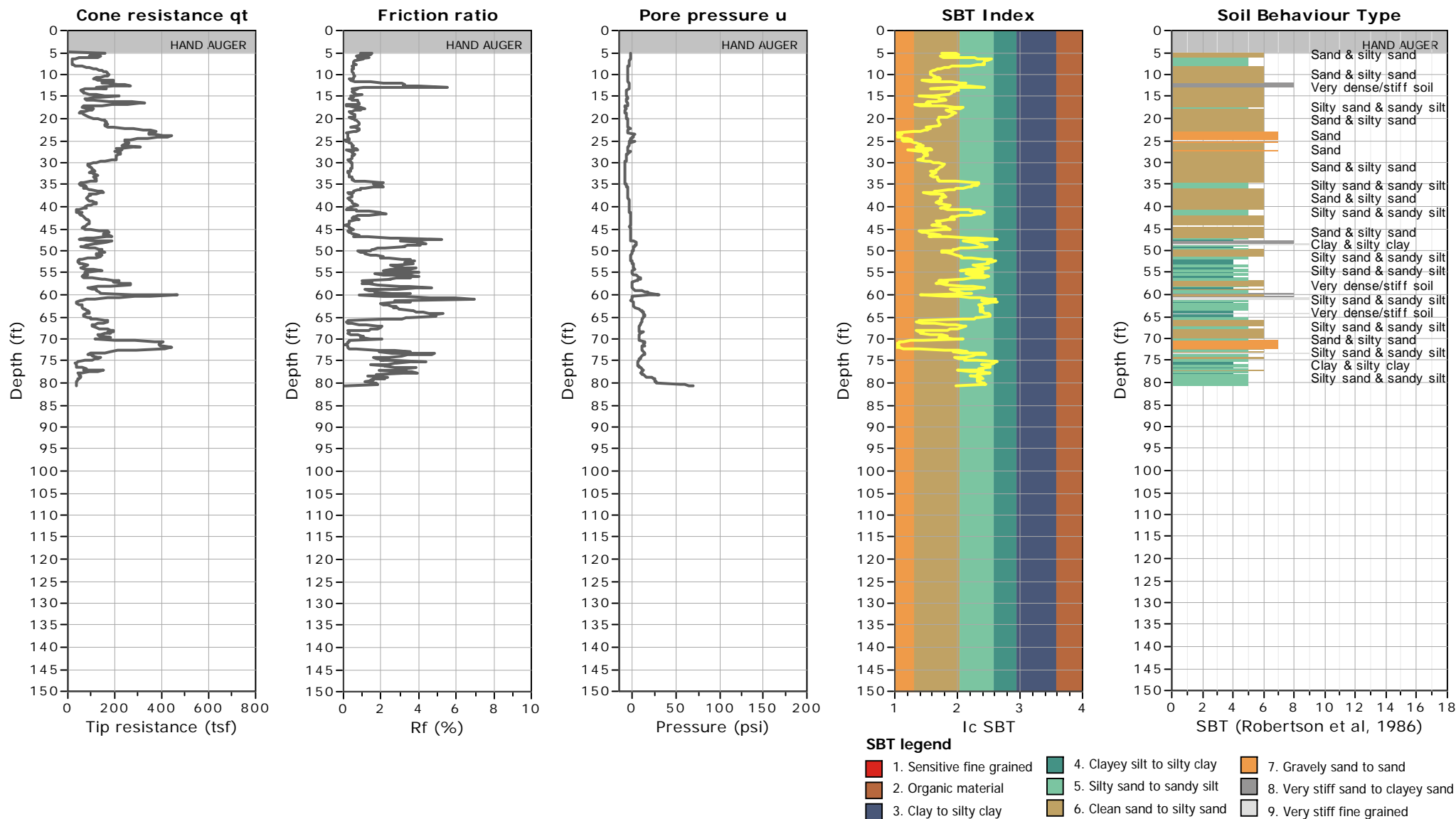


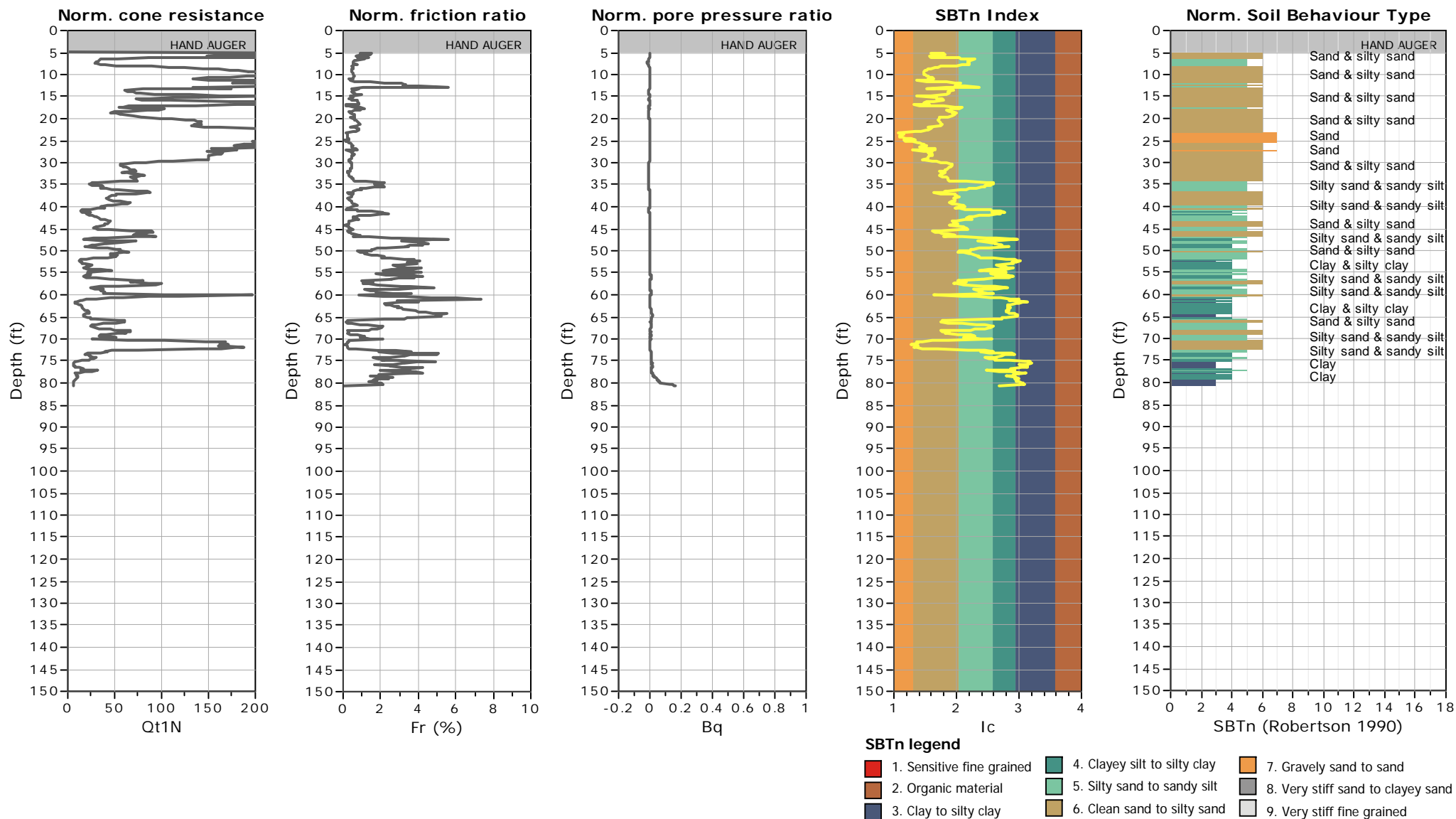
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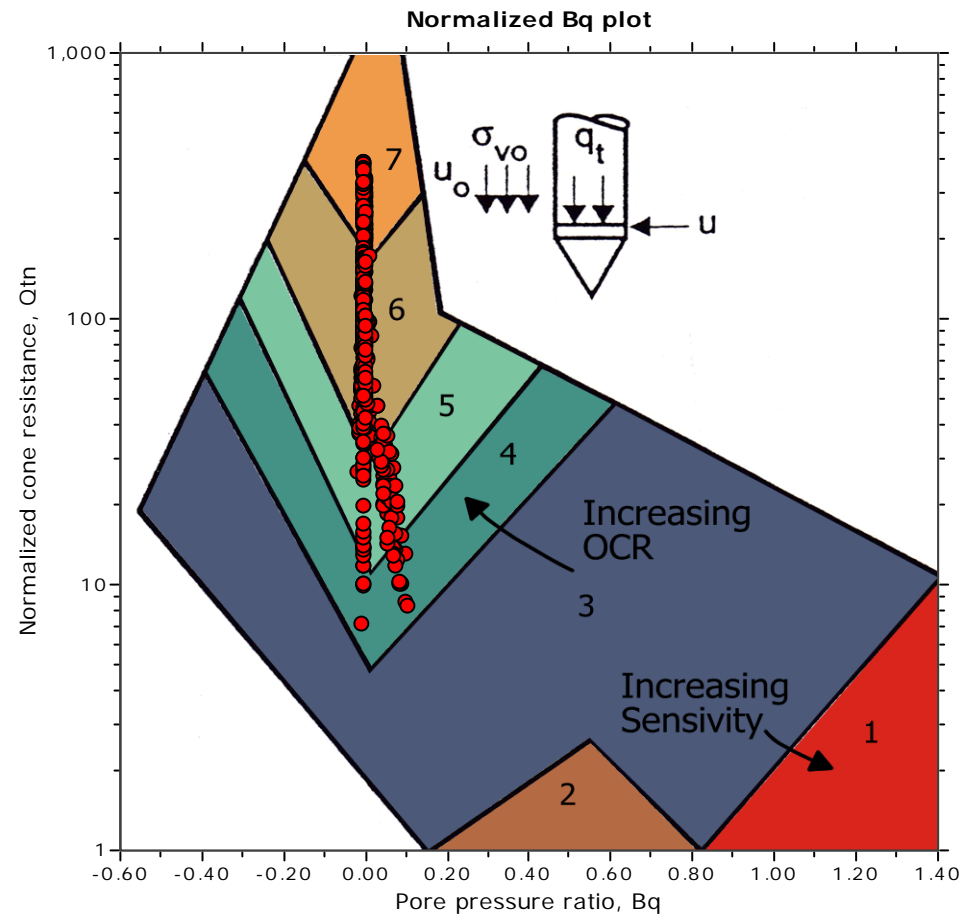
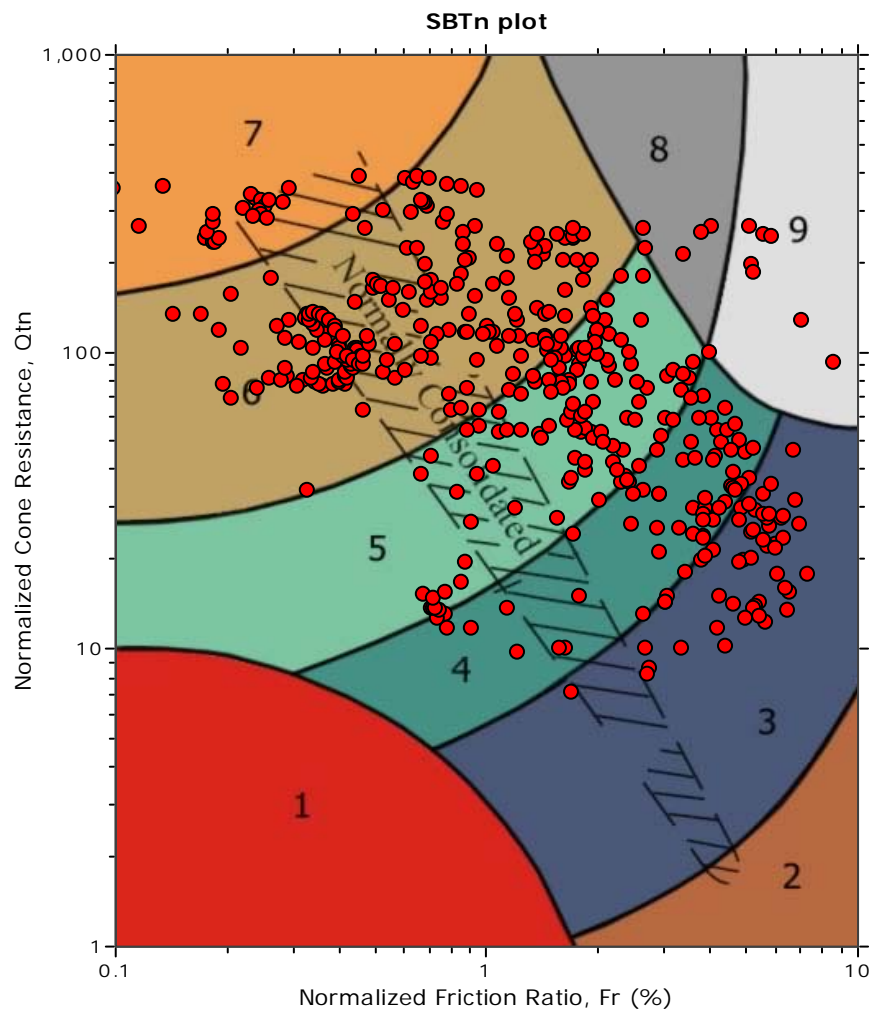
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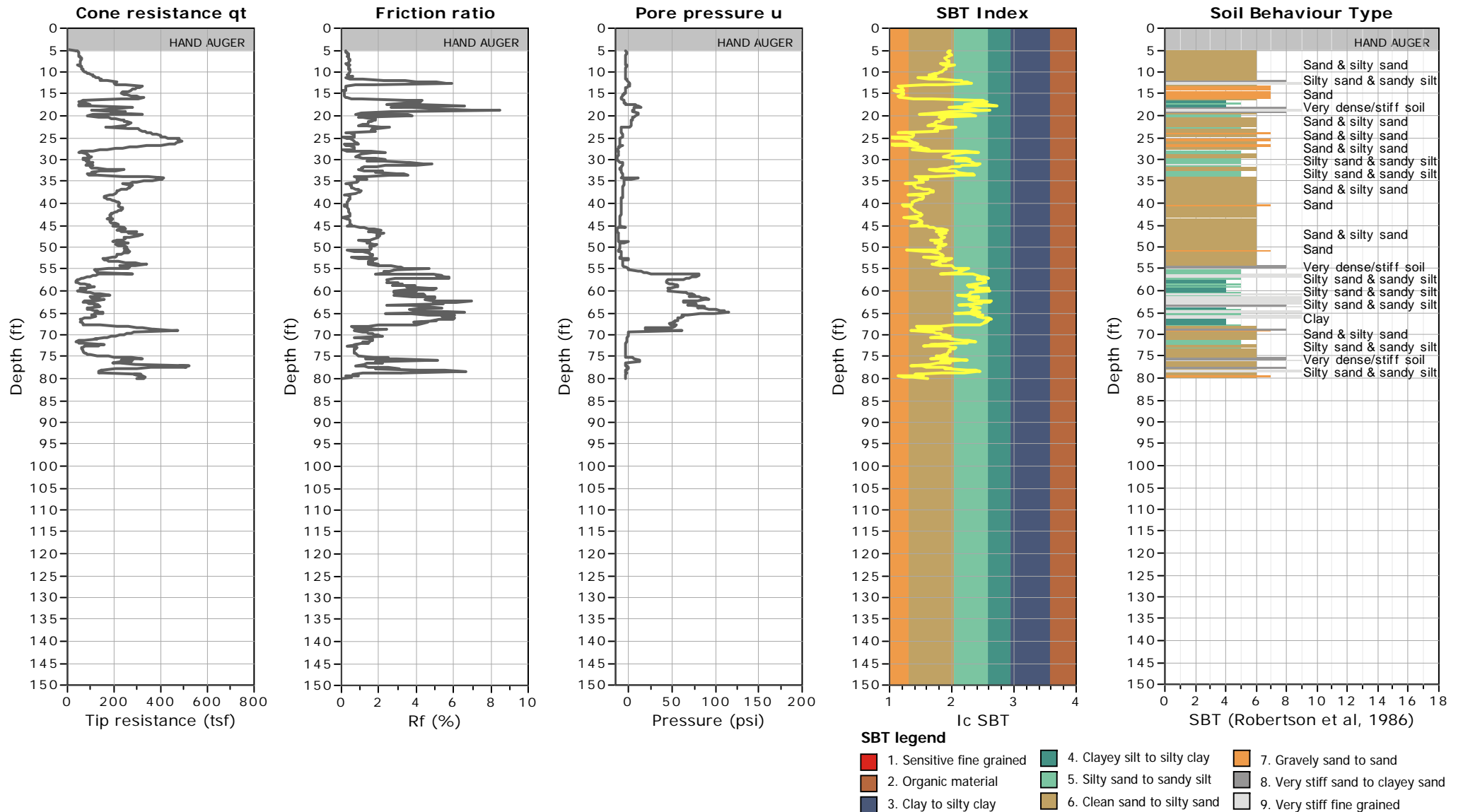


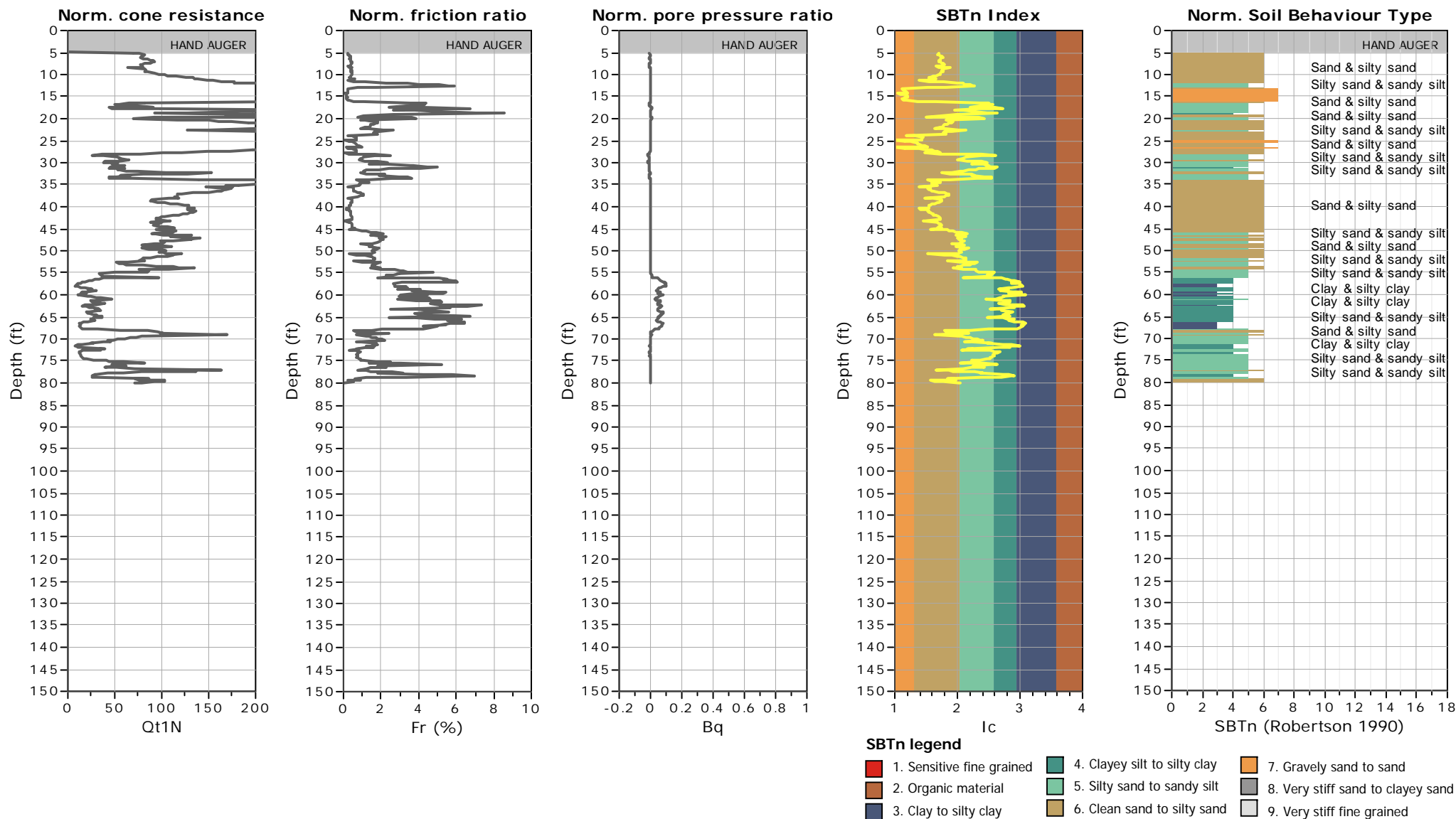
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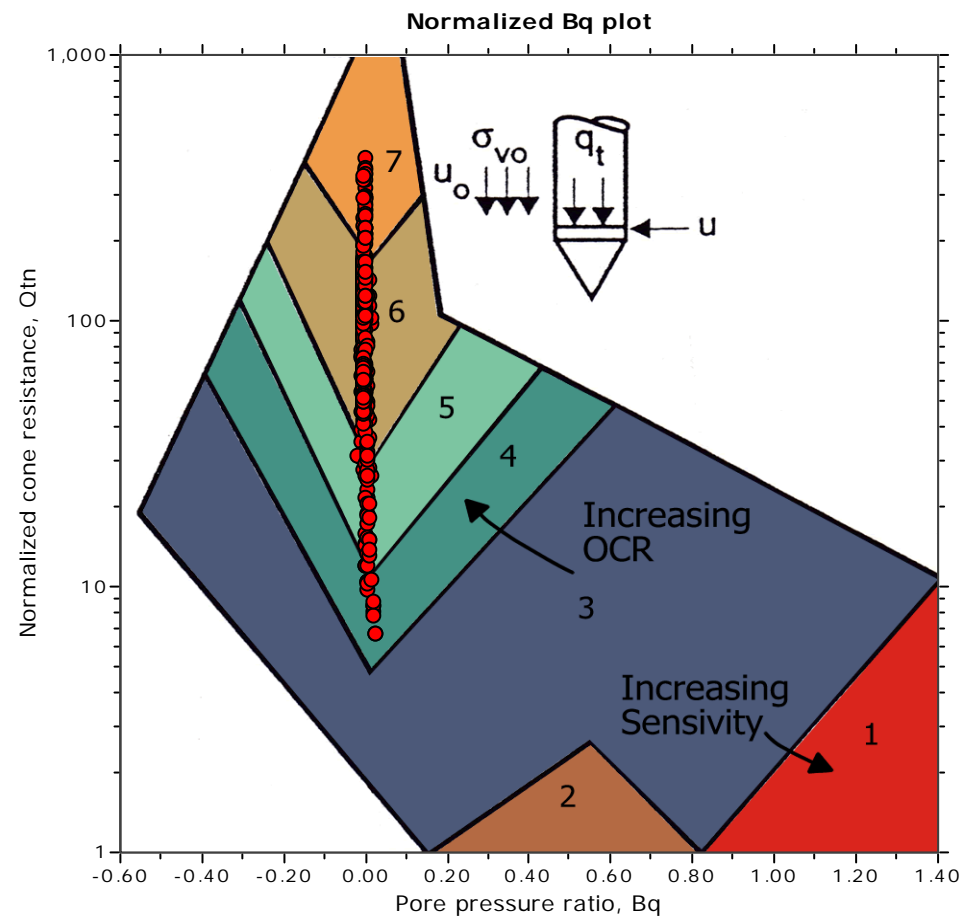
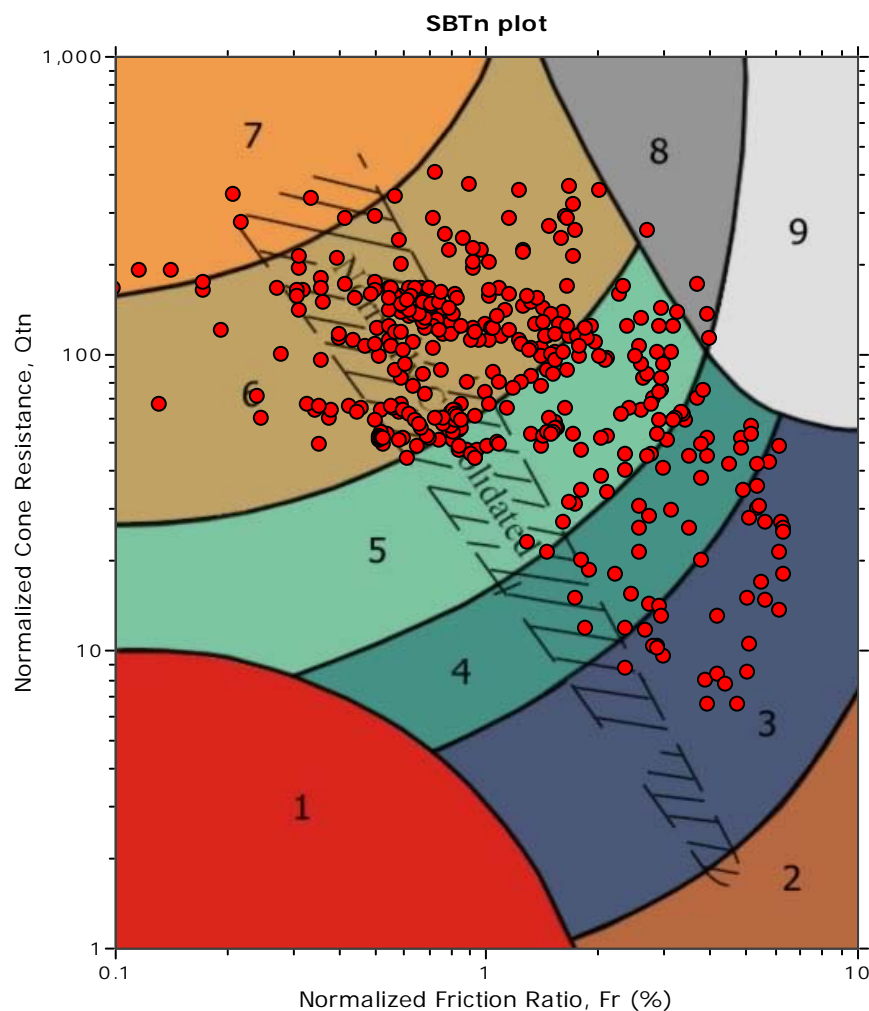
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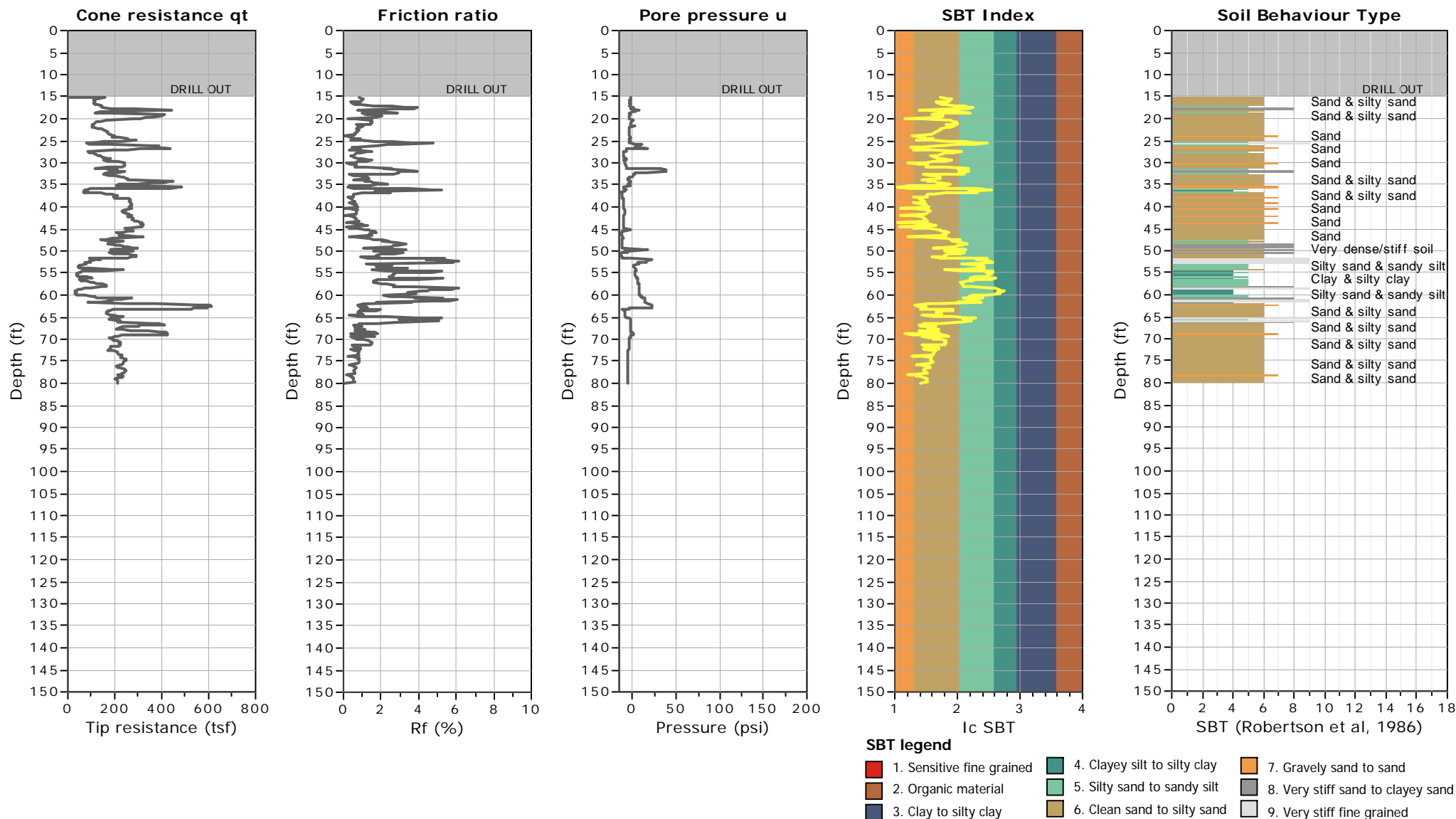


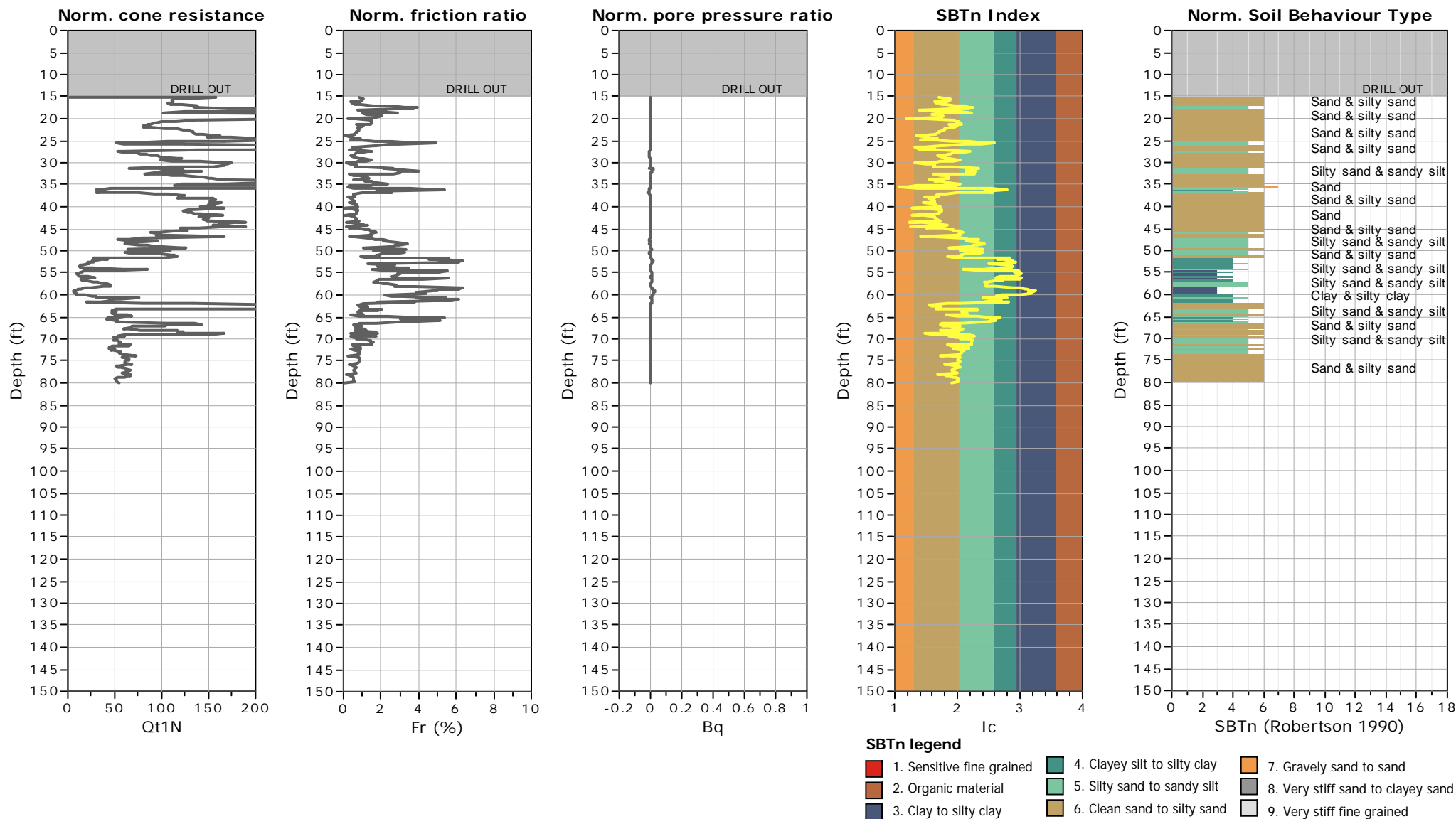
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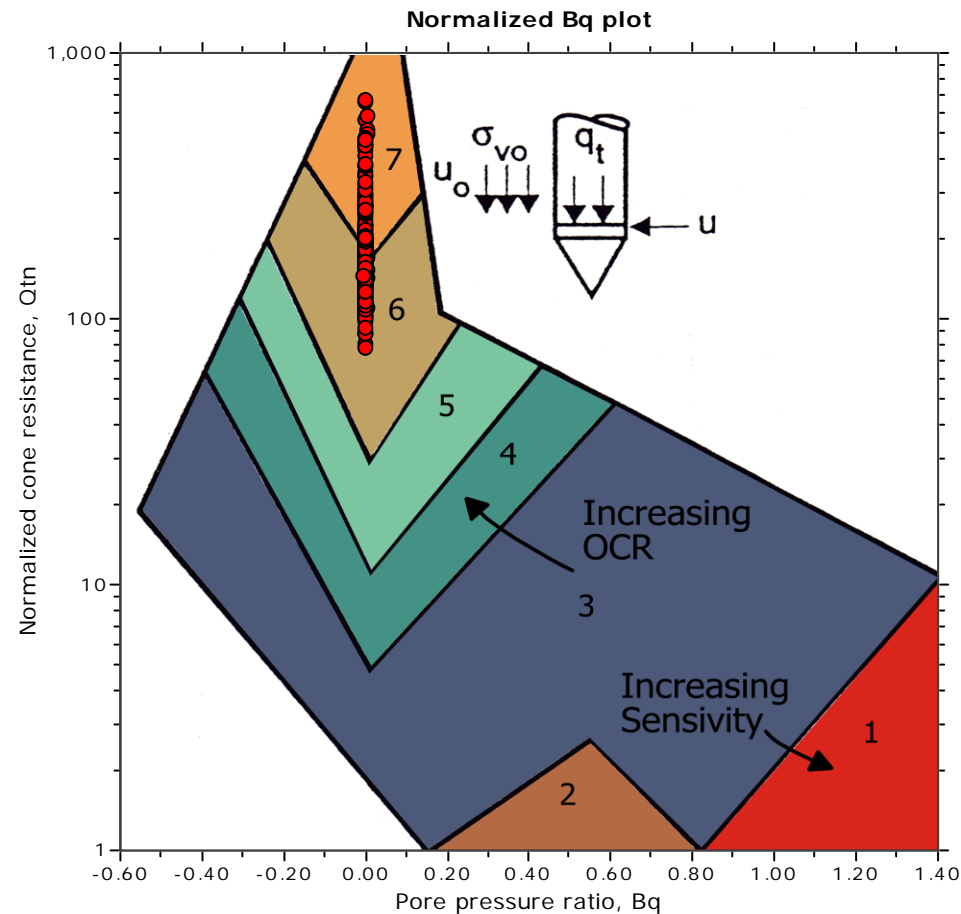
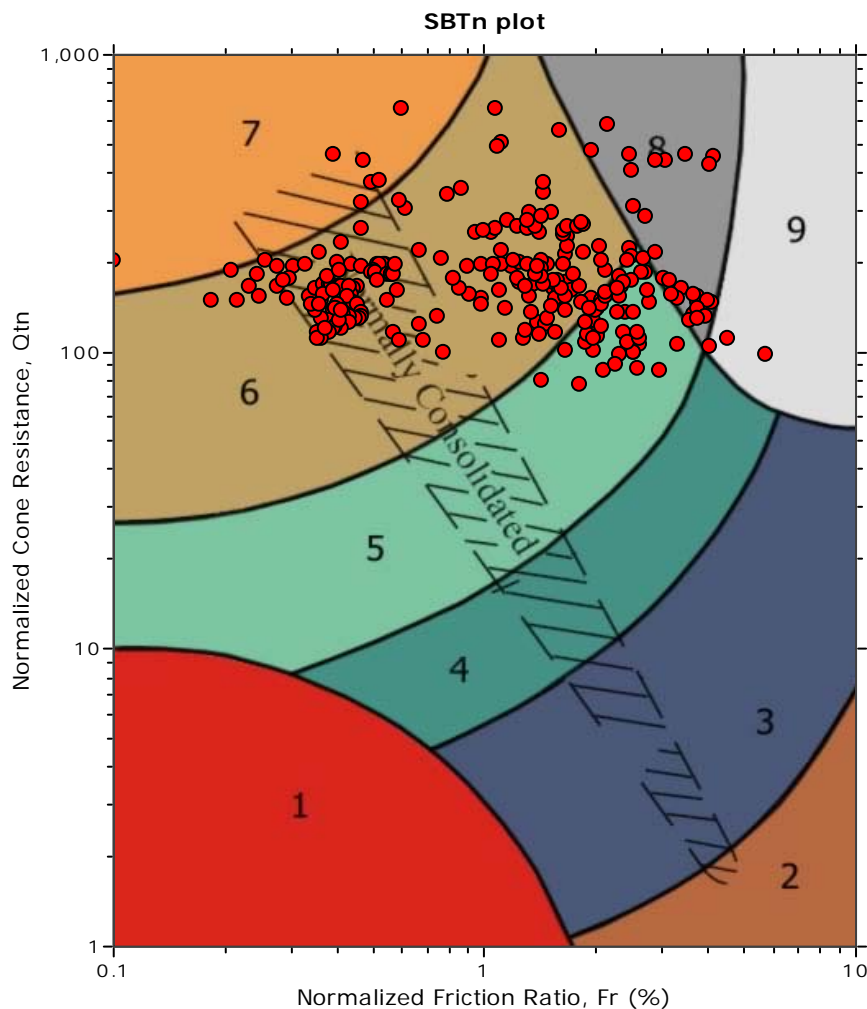
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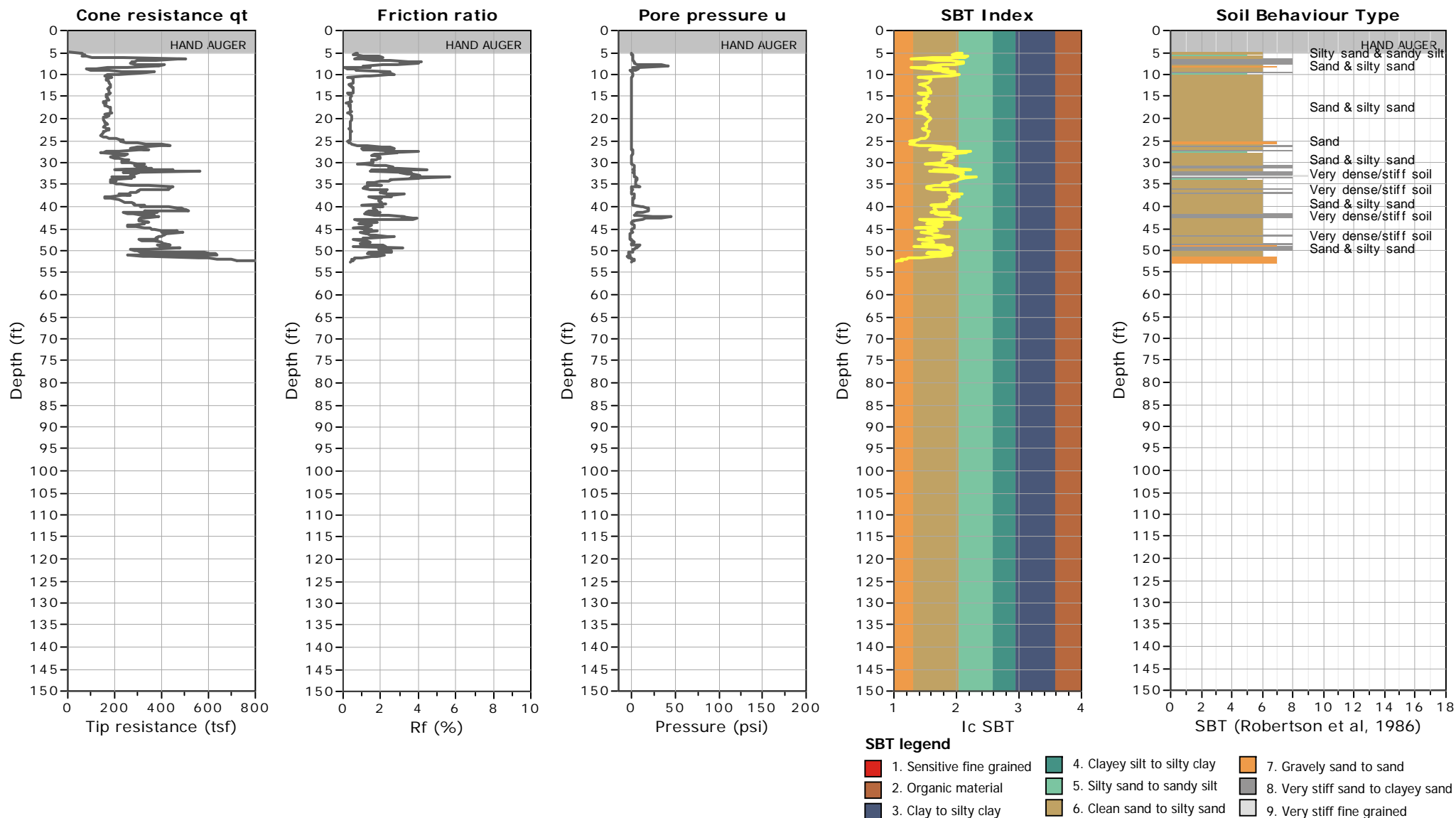


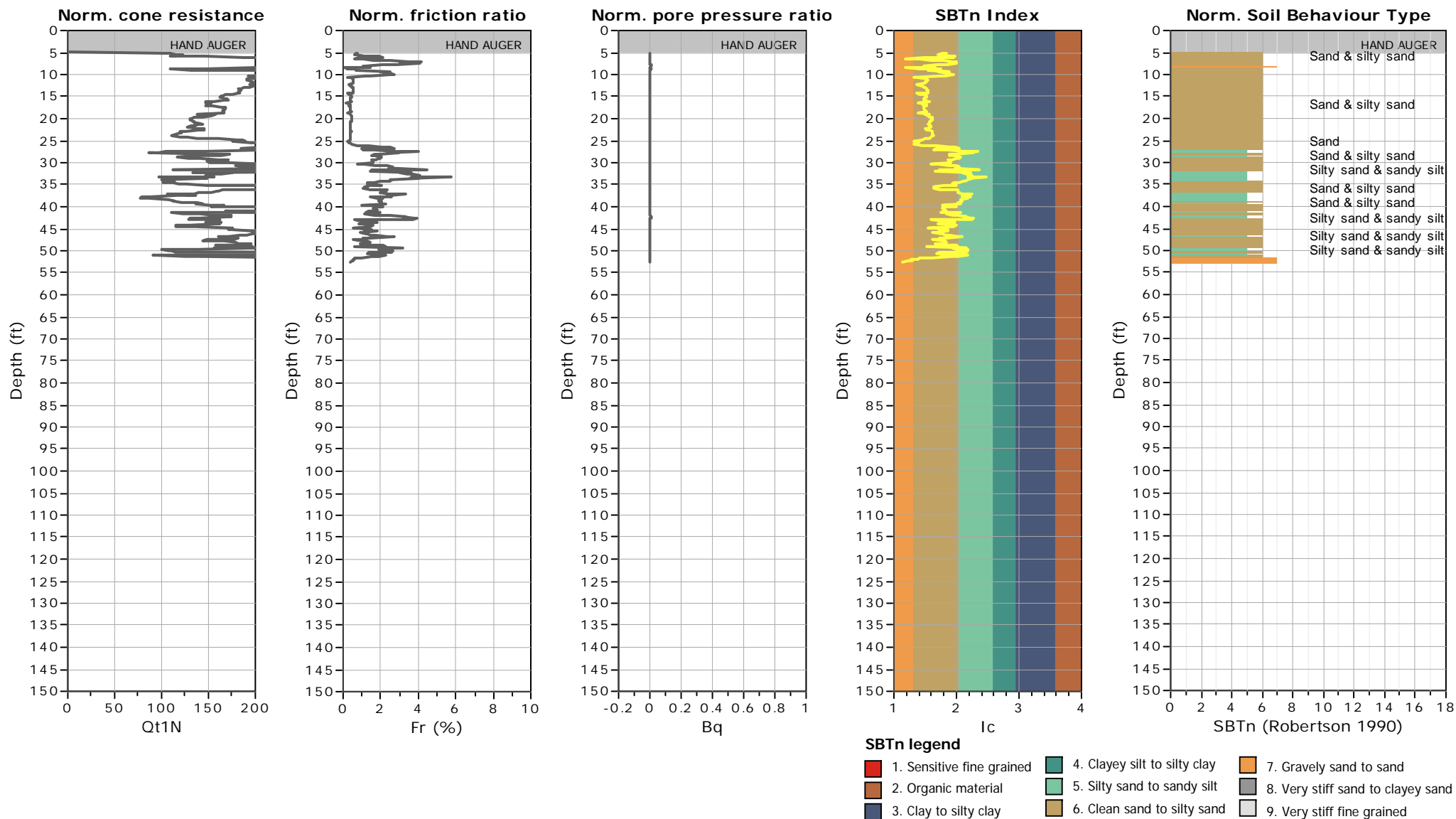
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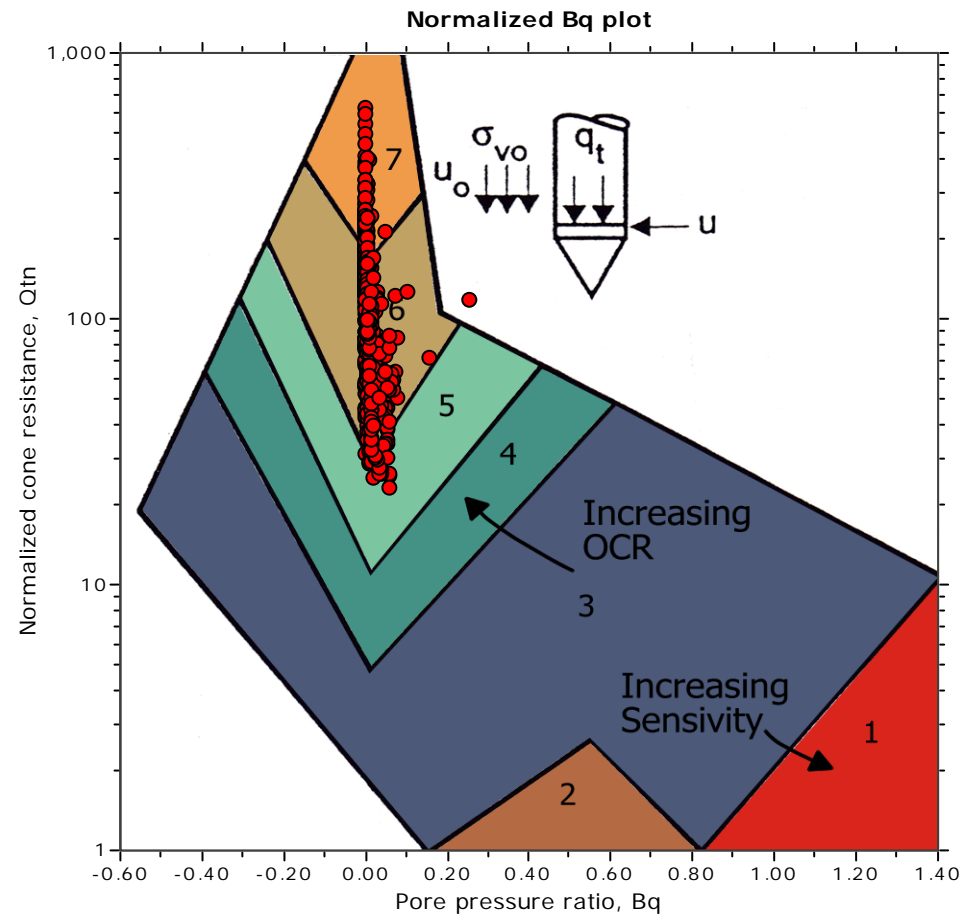
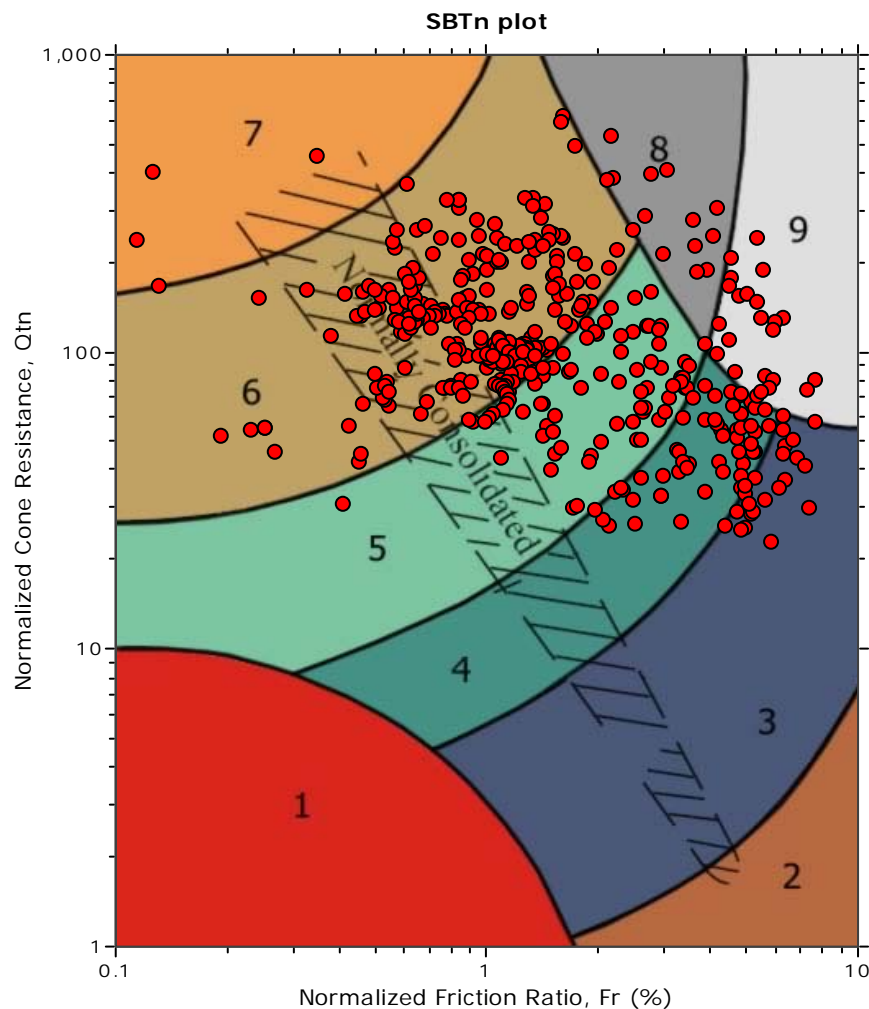
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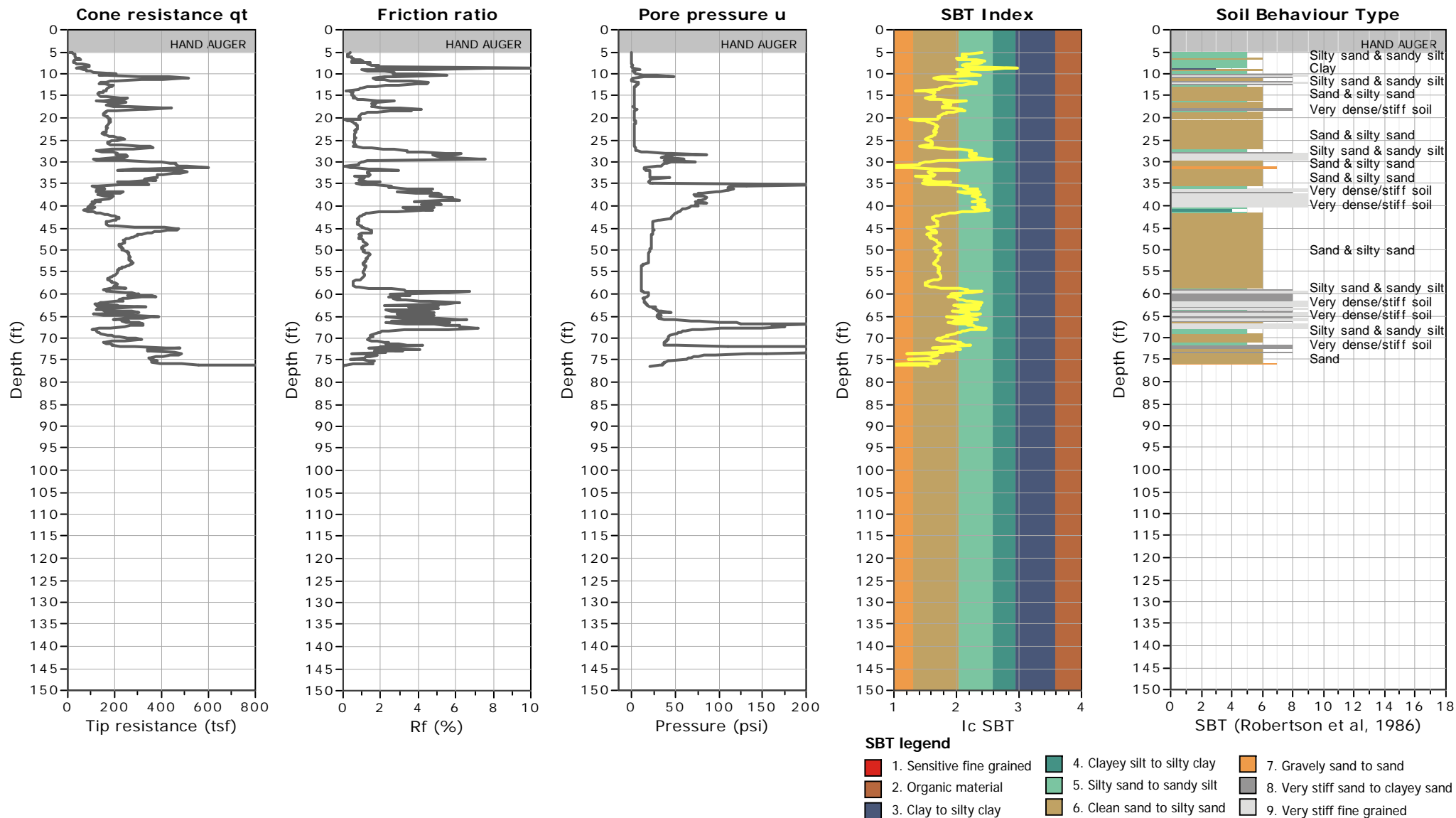


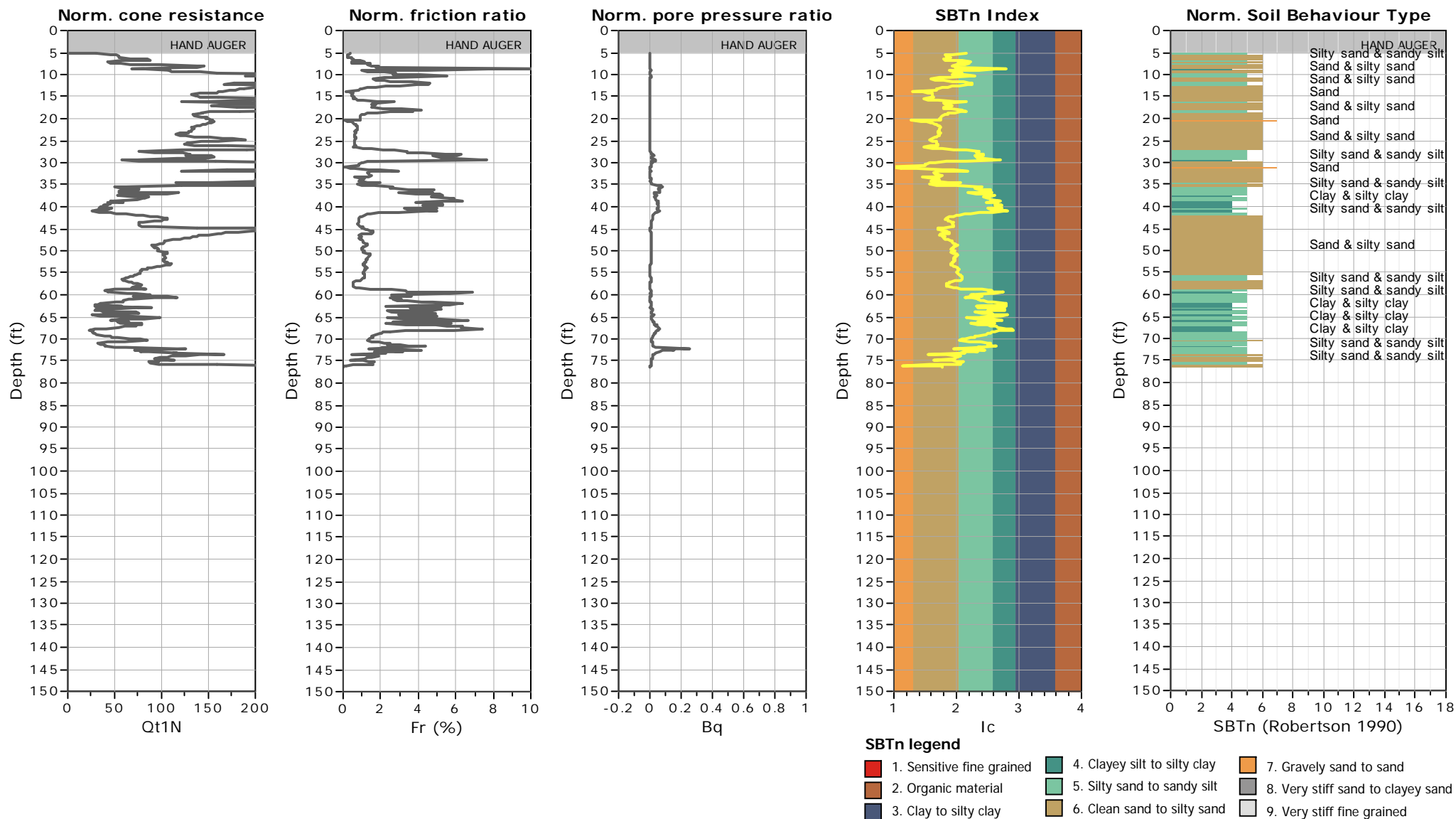
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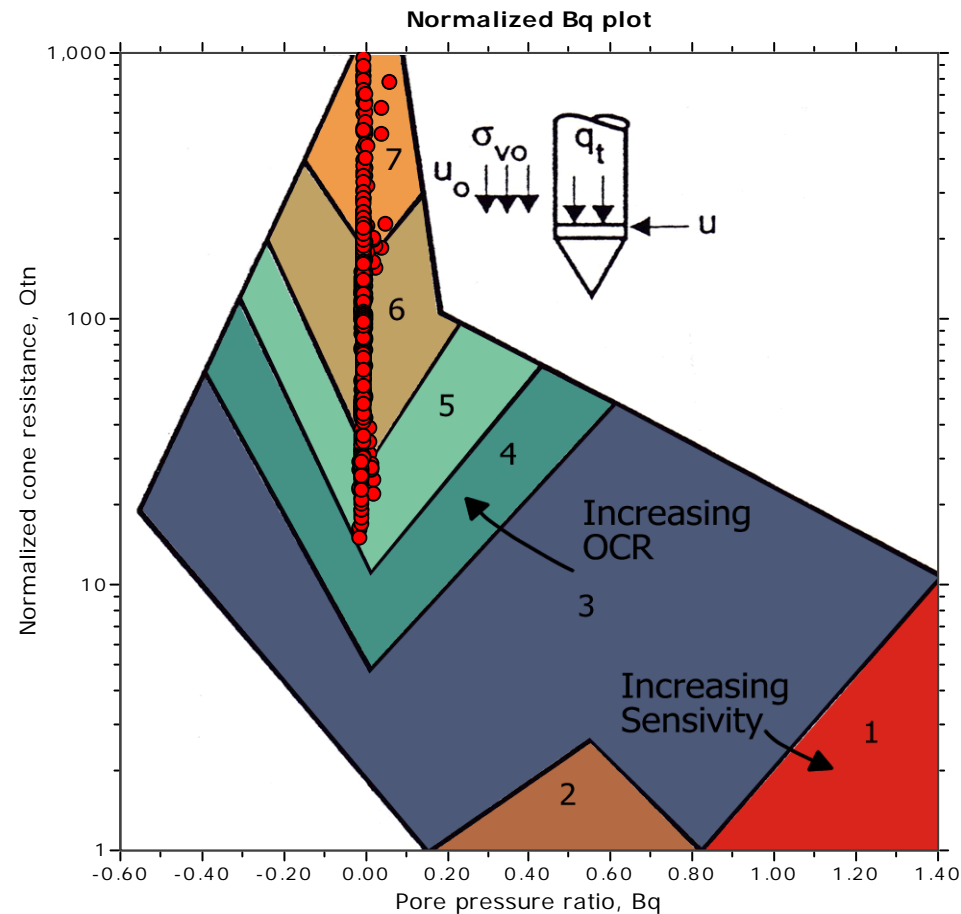
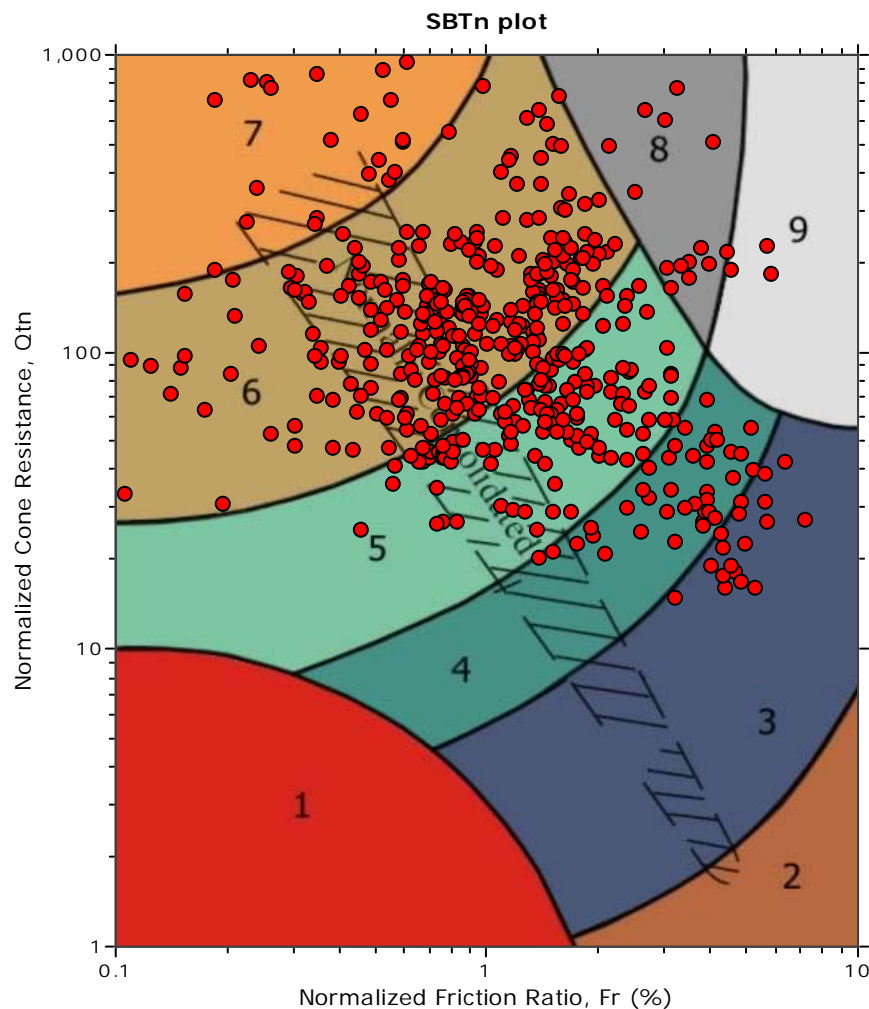
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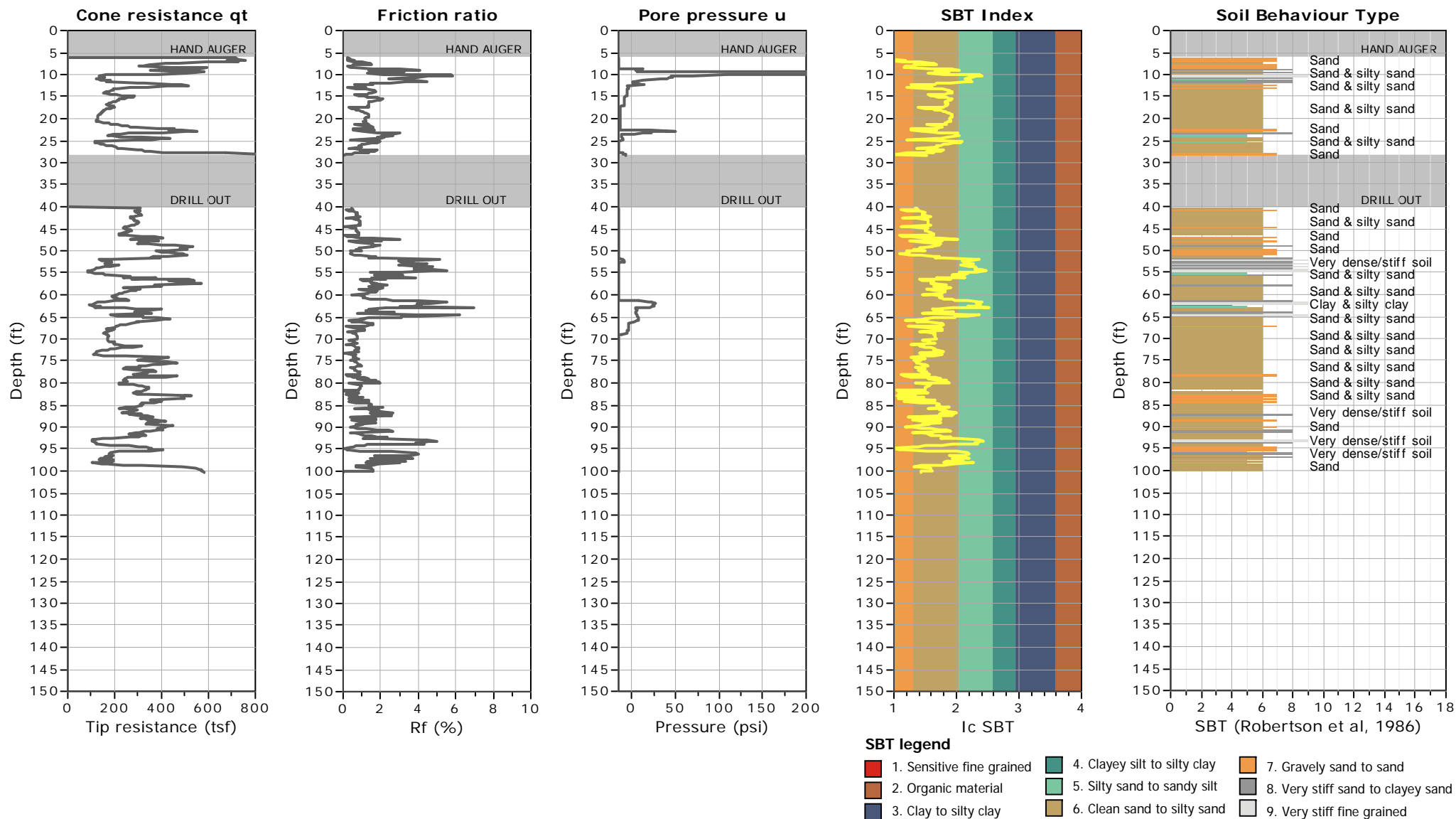


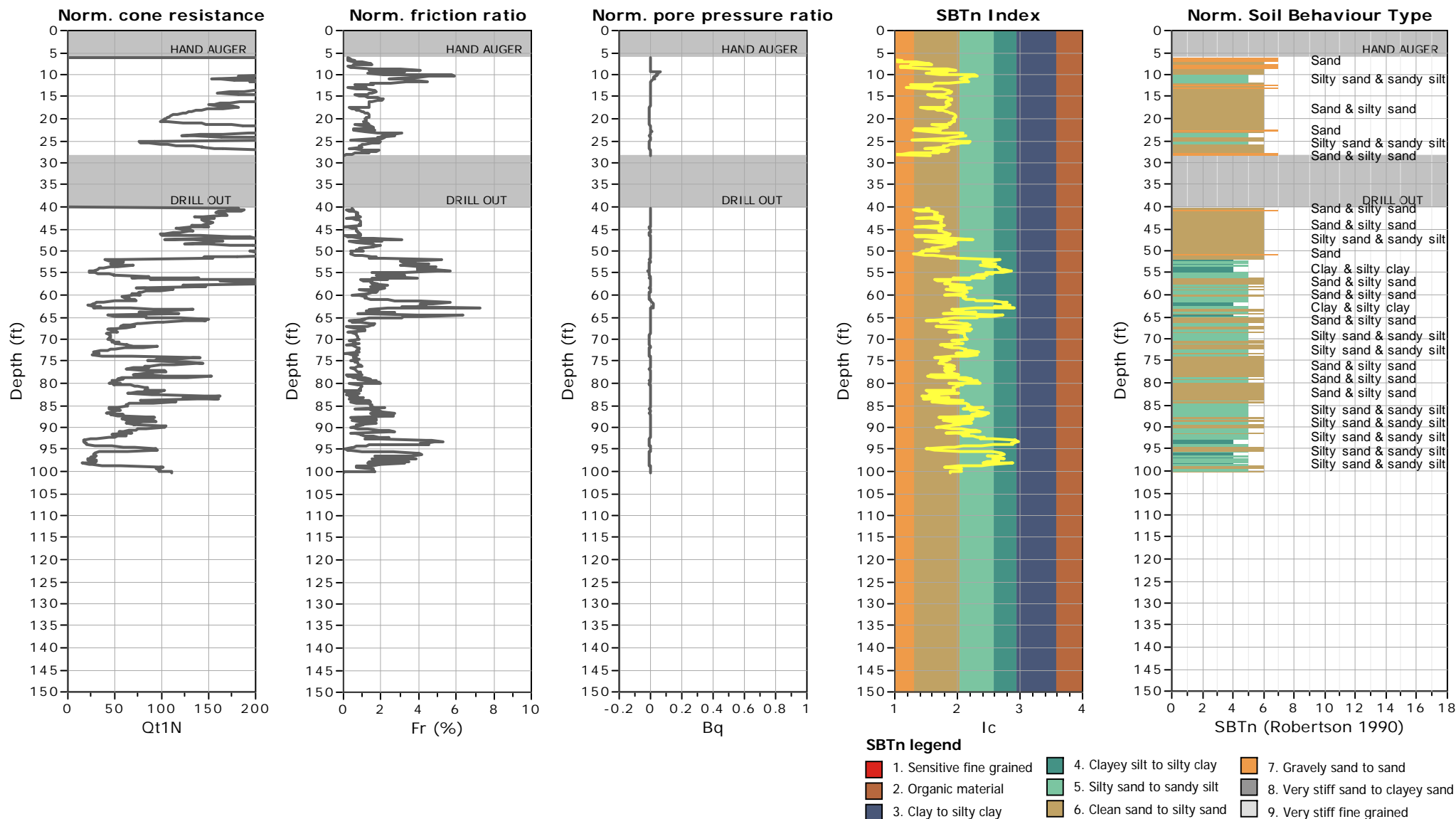
SBT - Bq plots (normalized)



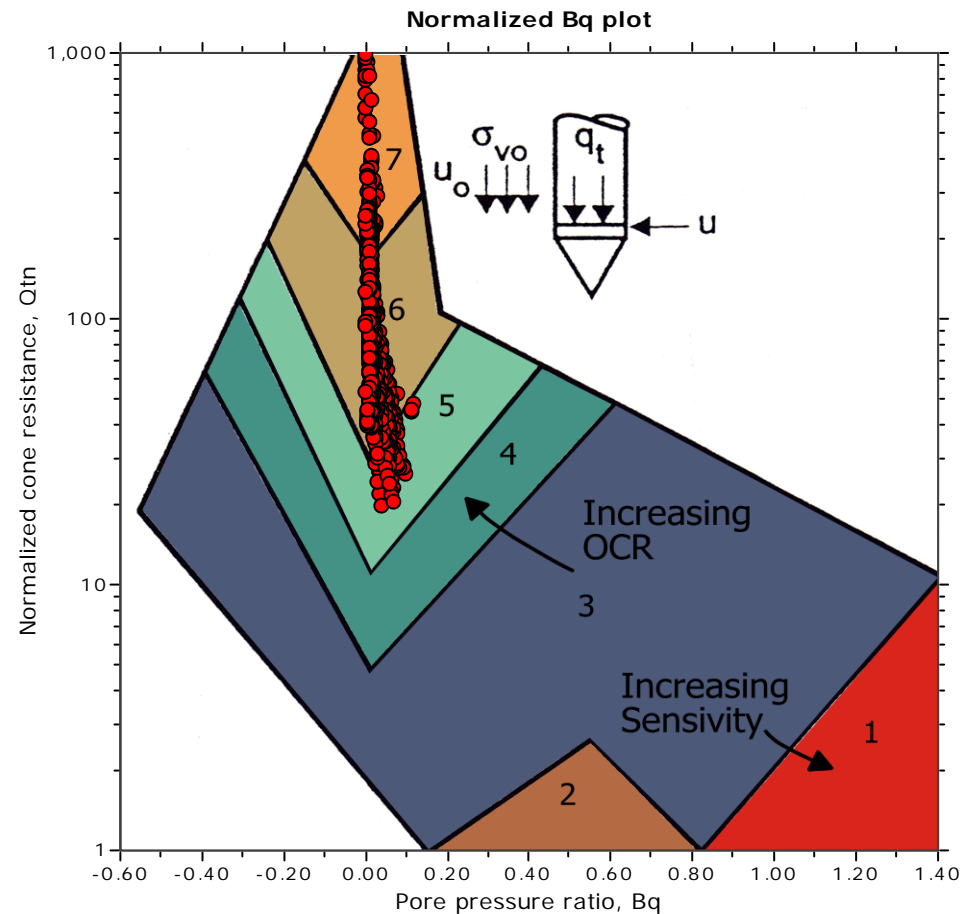
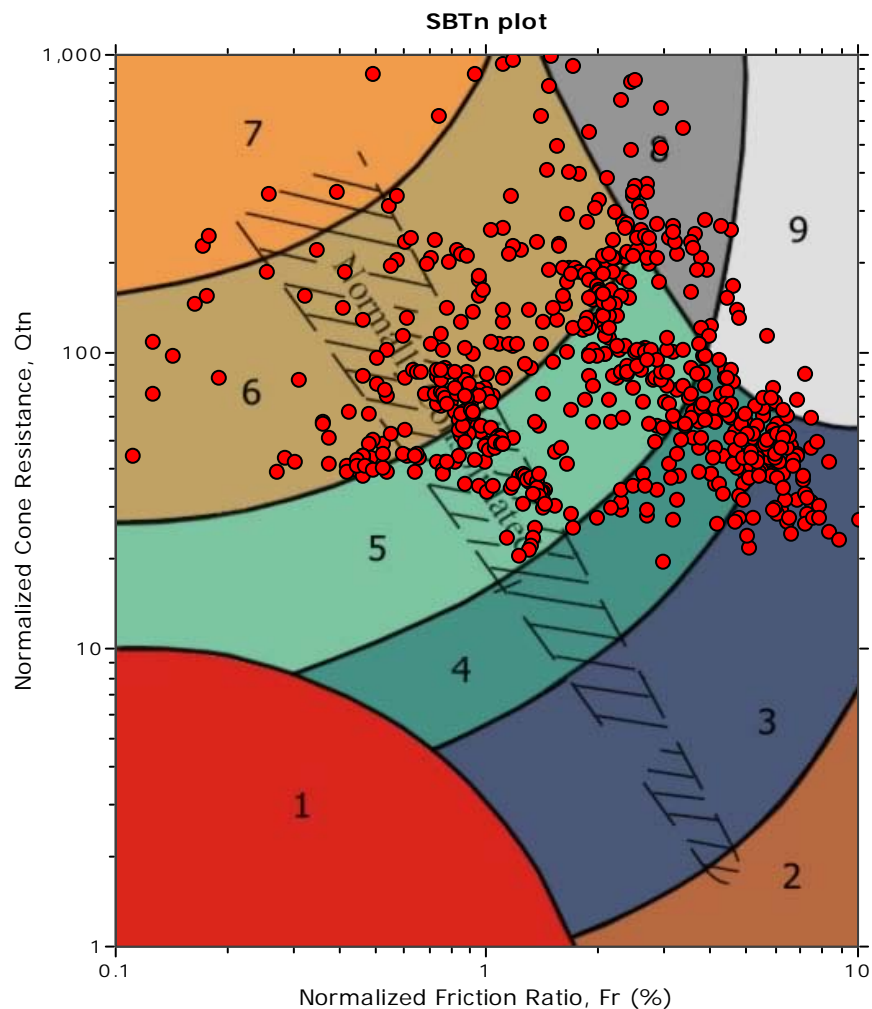
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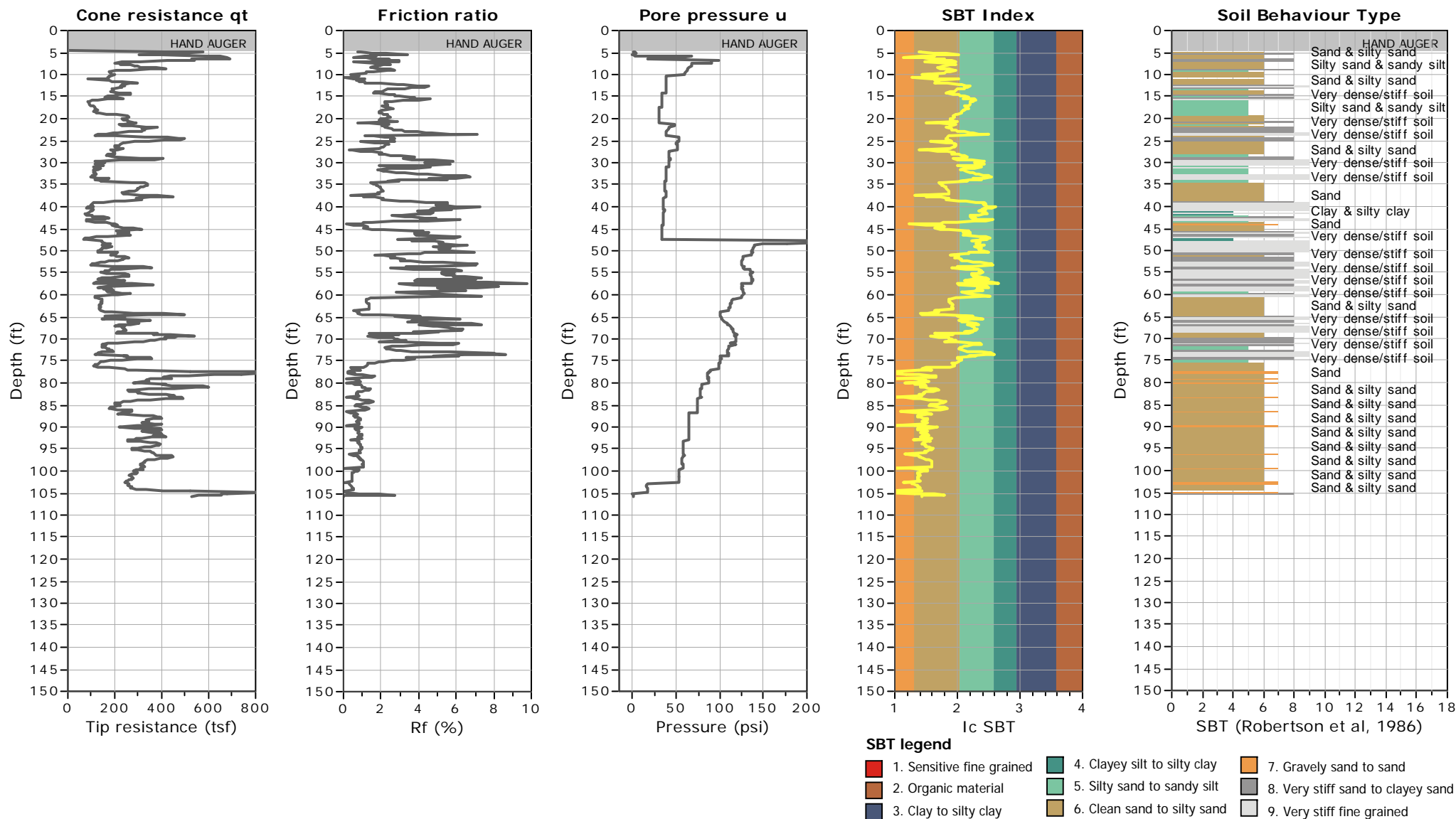


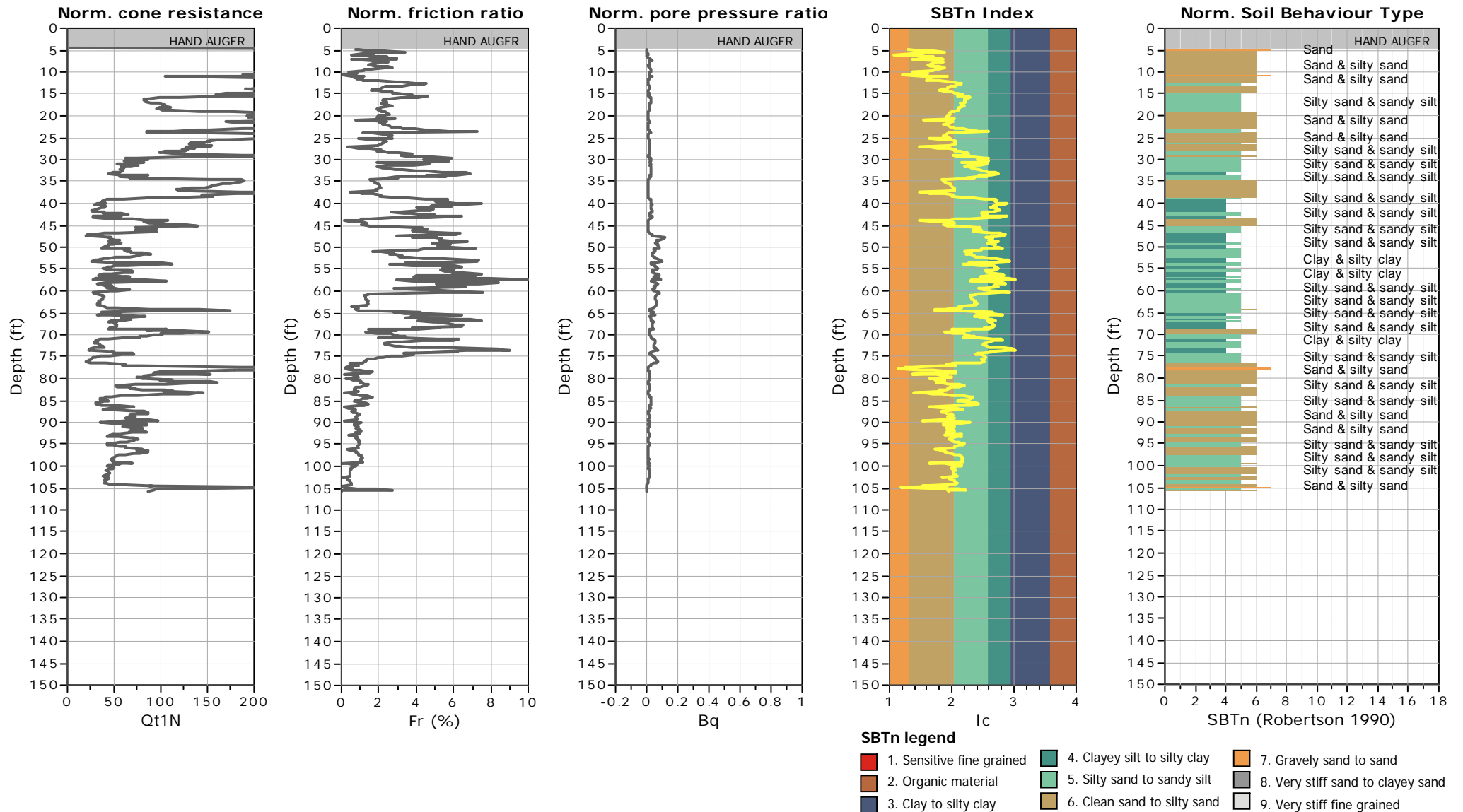
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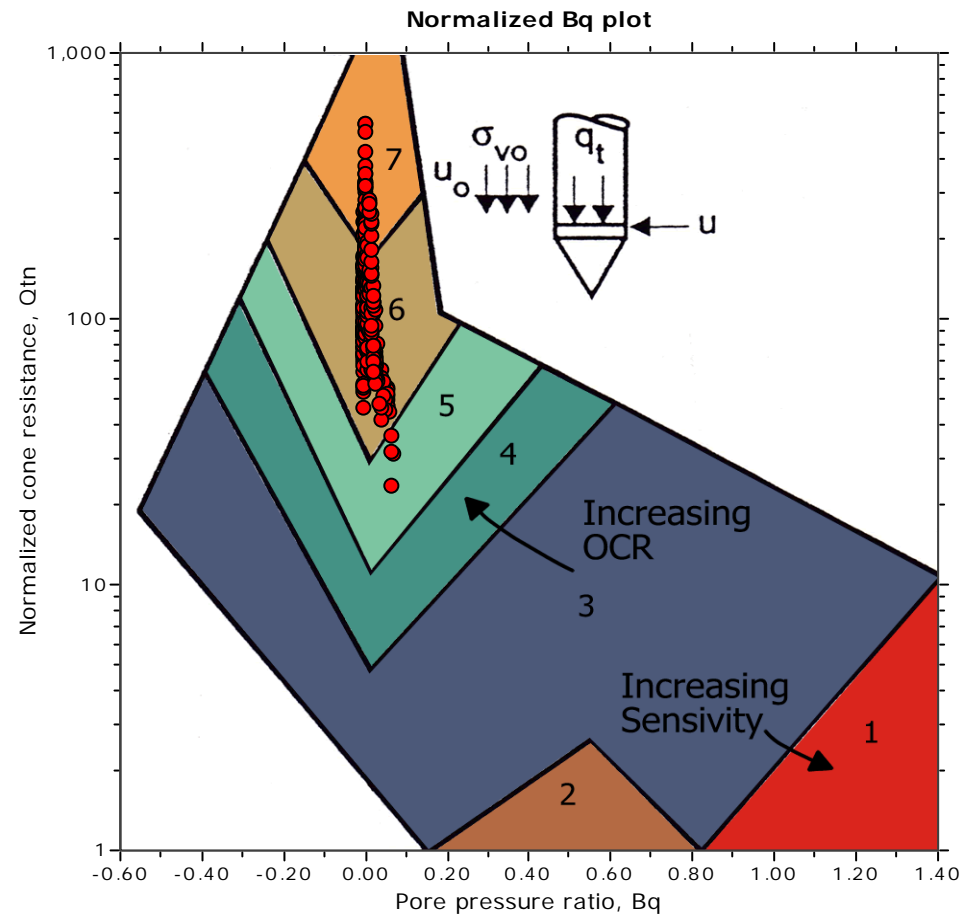
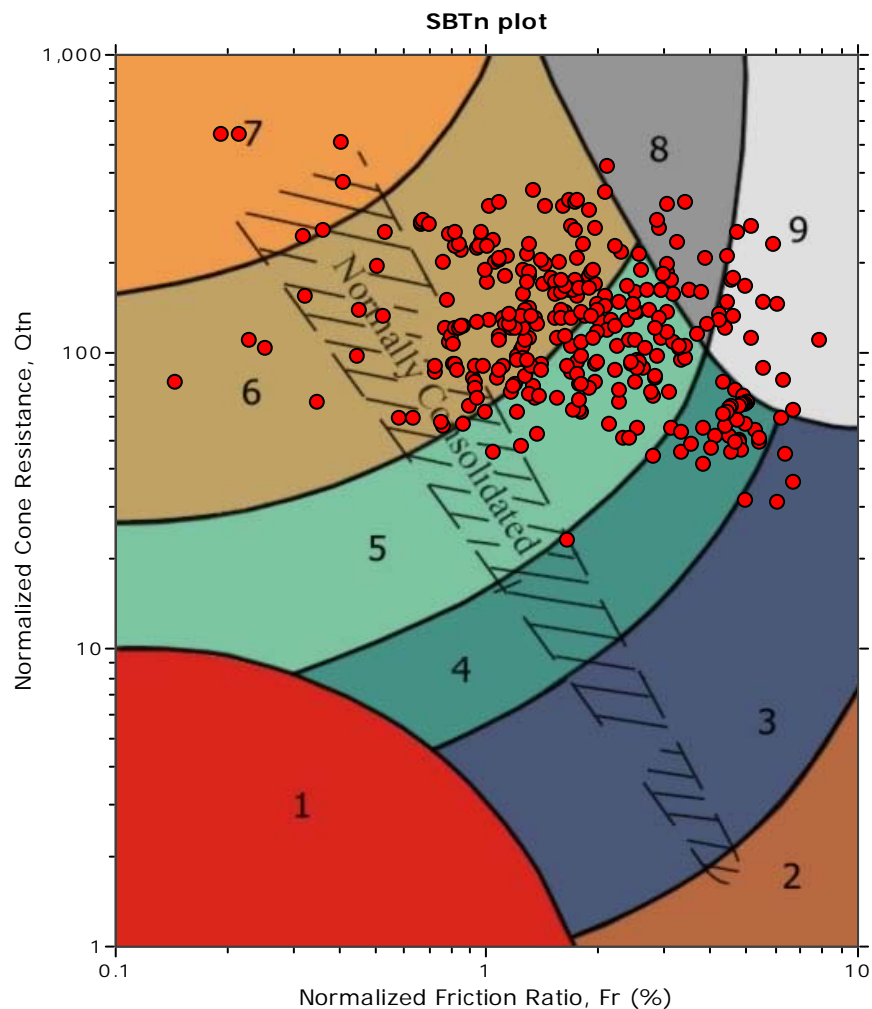
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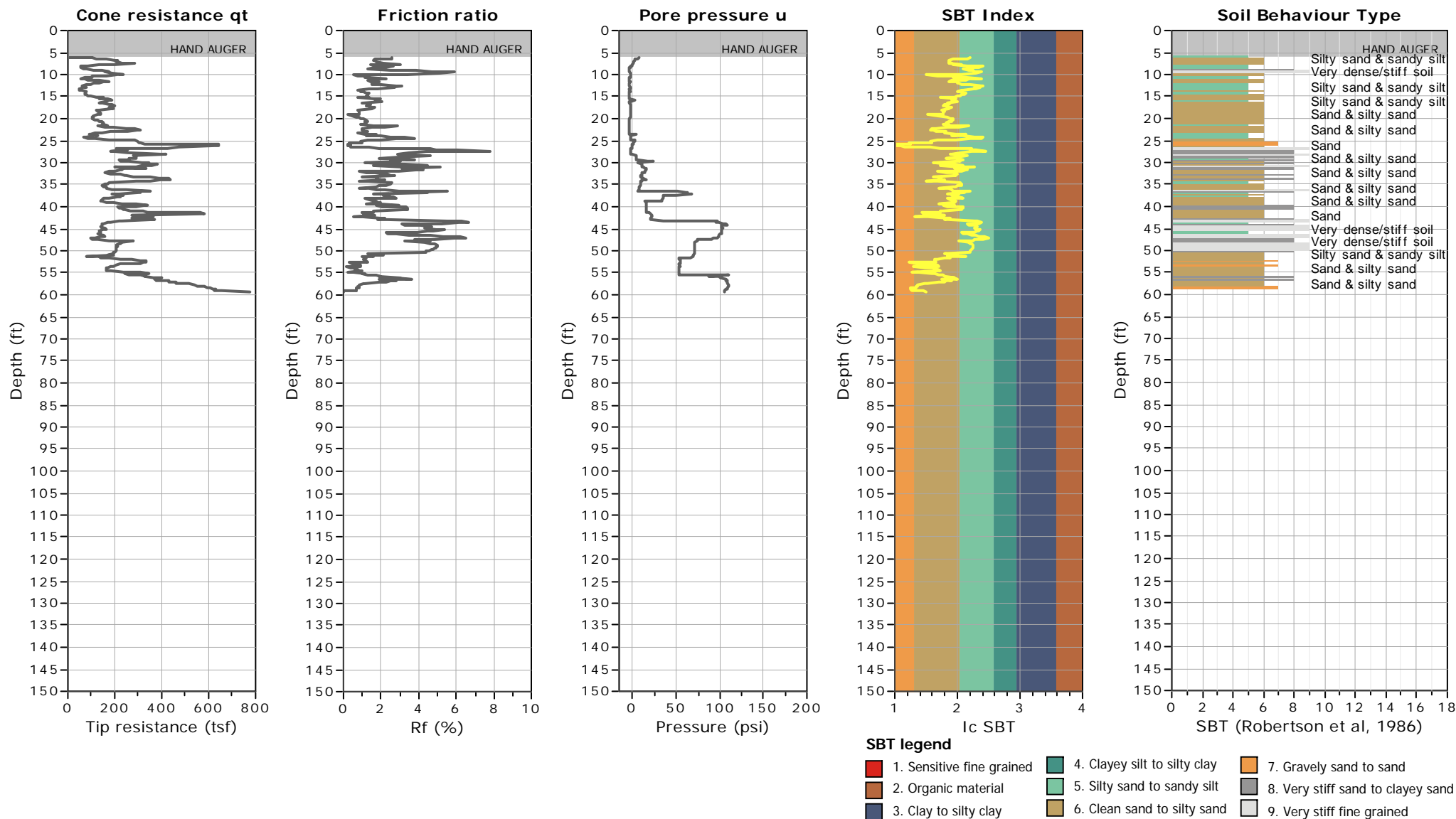


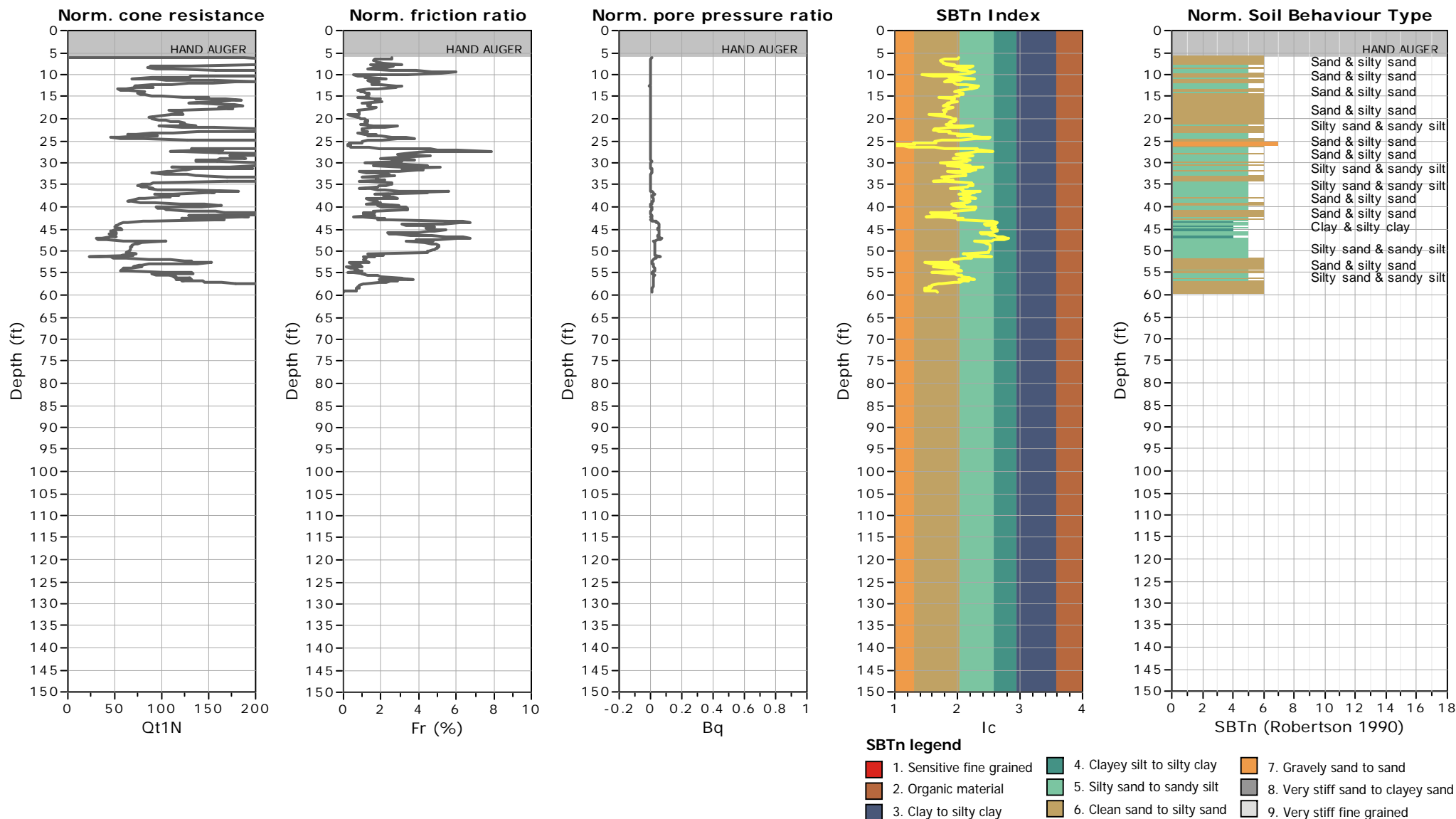
SBT - Bq plots (normalized)



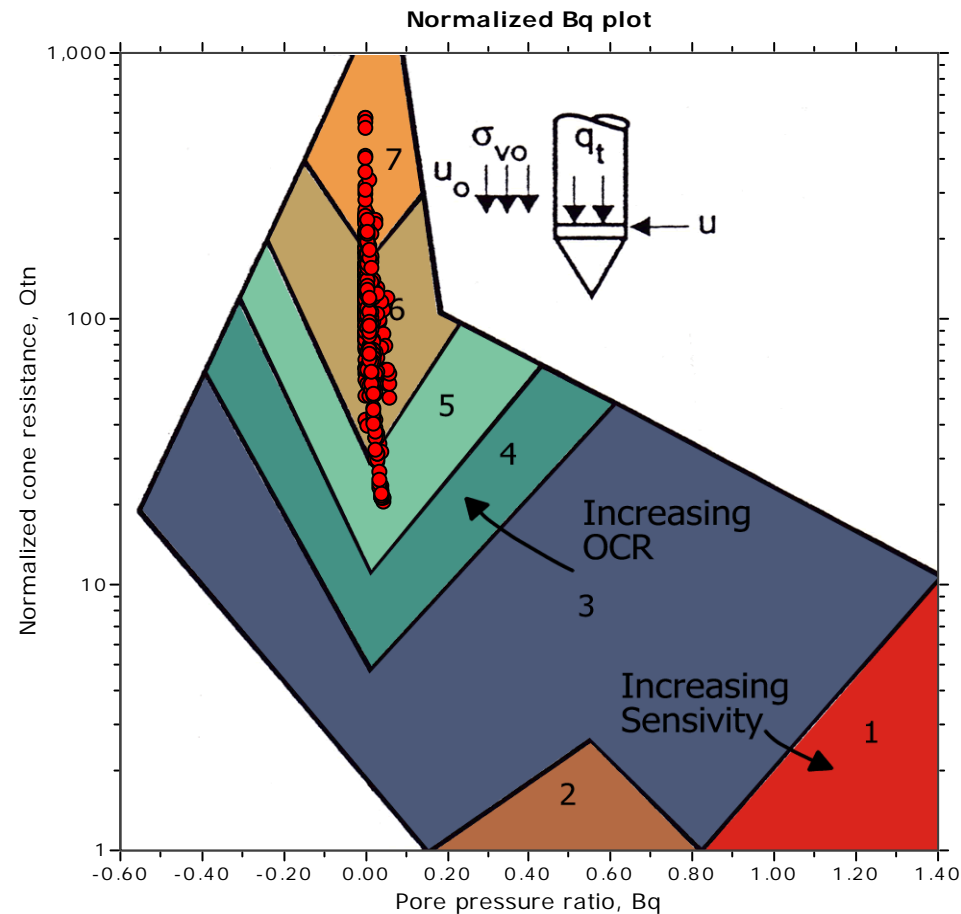
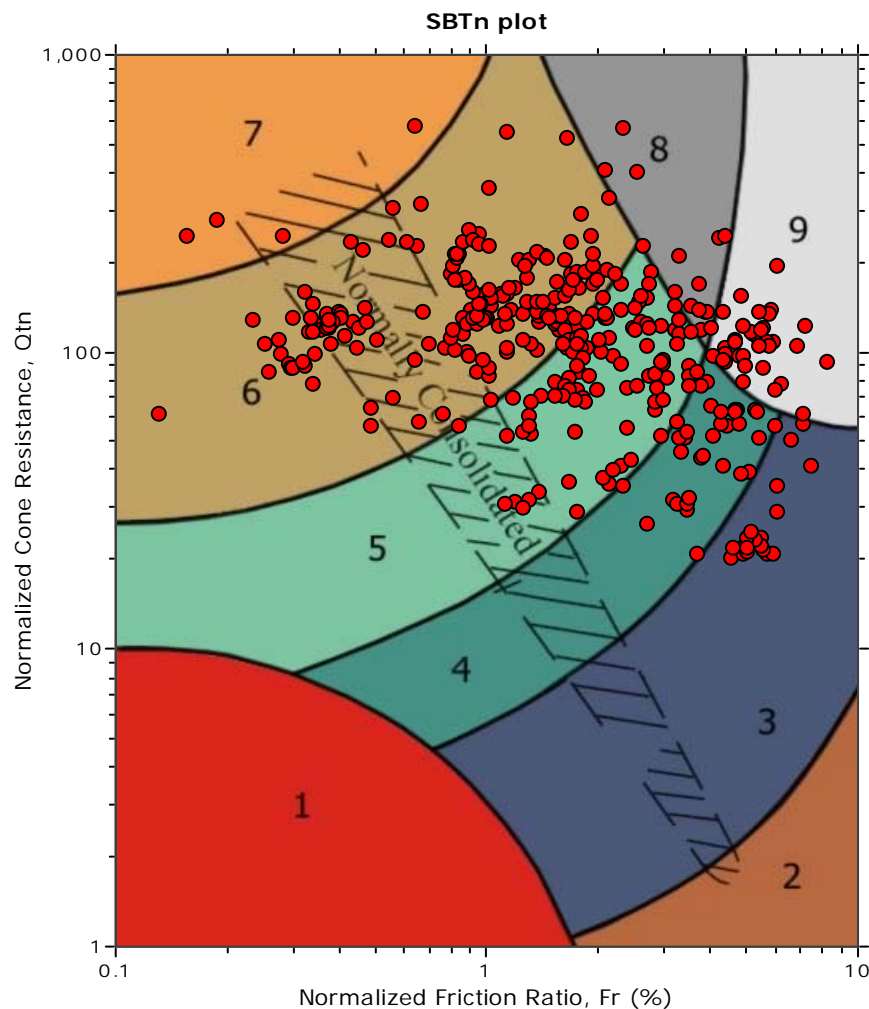
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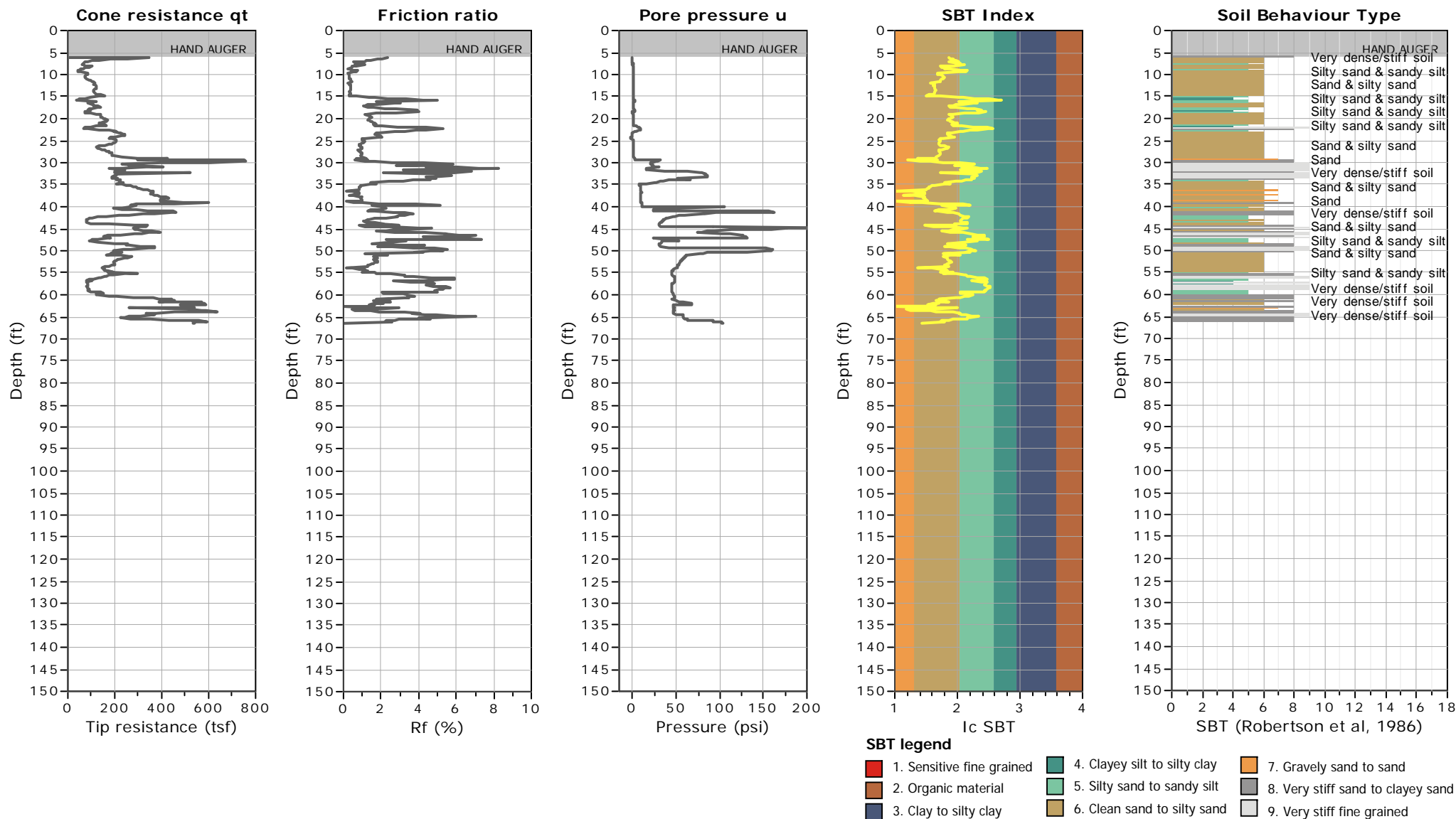


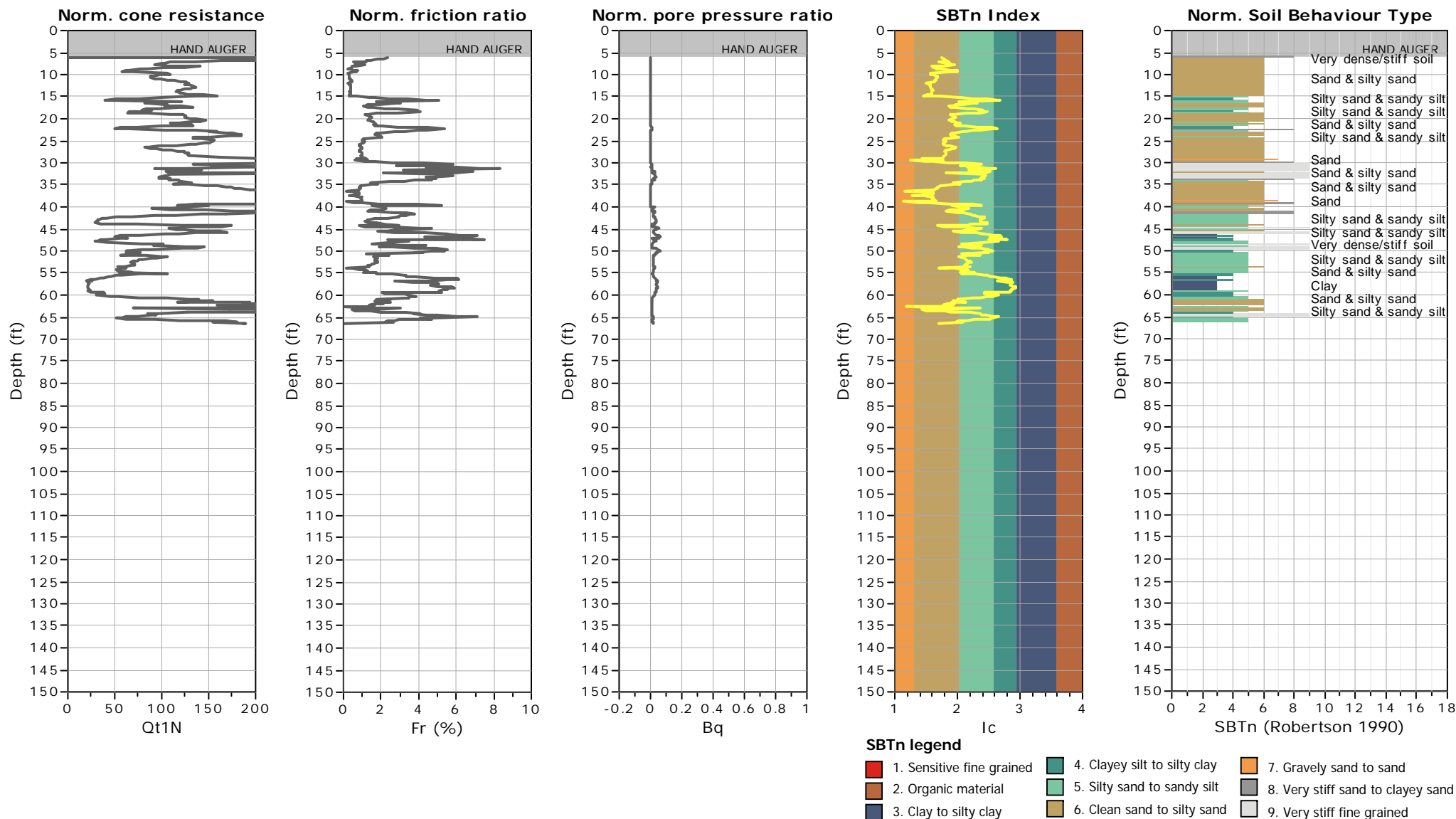
SBT - Bq plots (normalized)



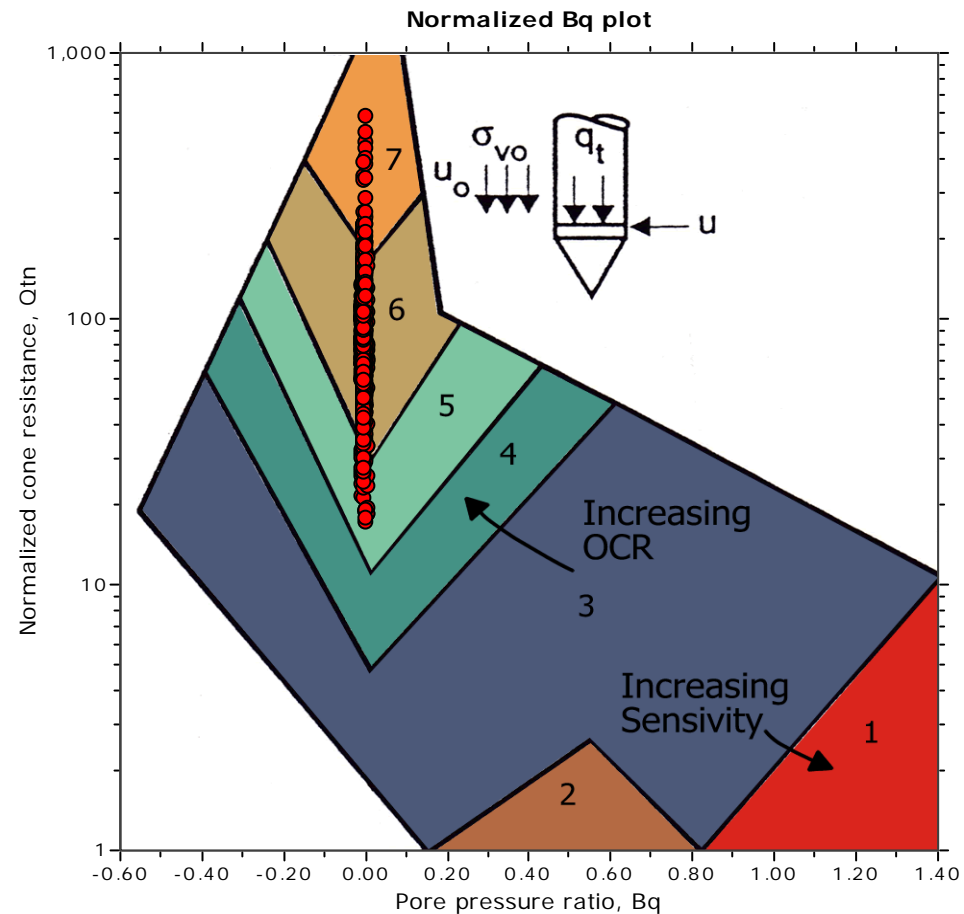
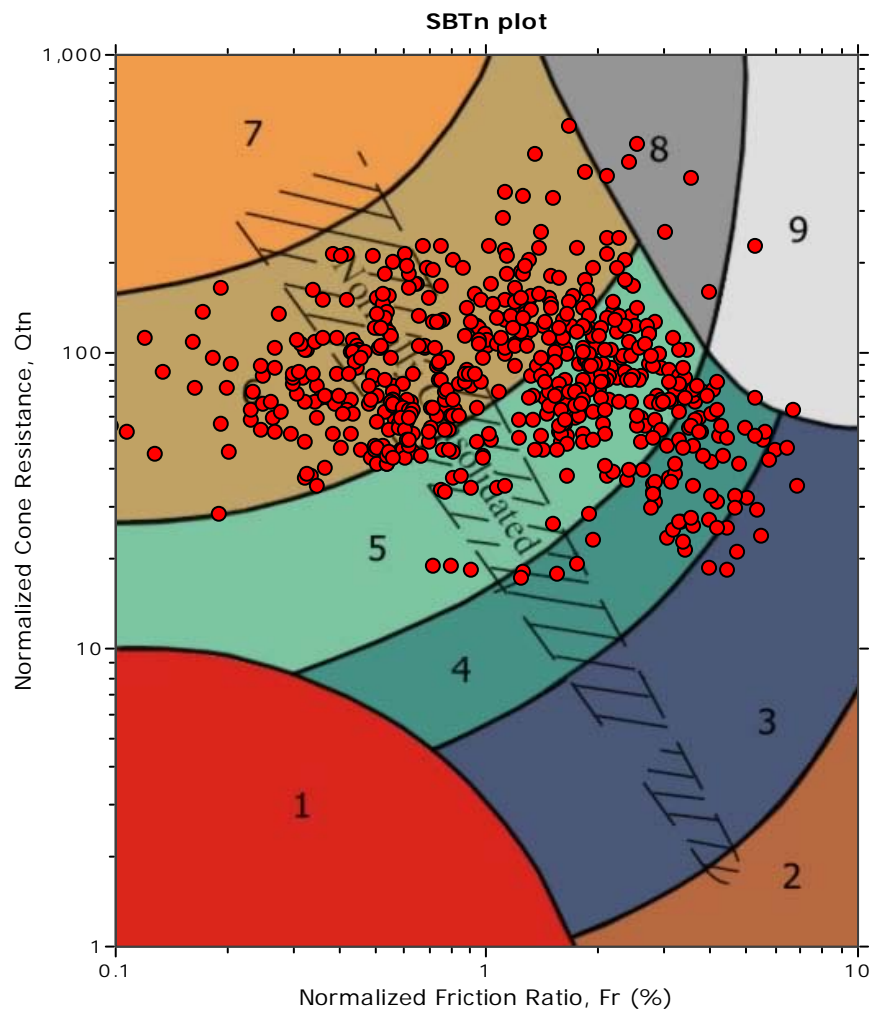
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



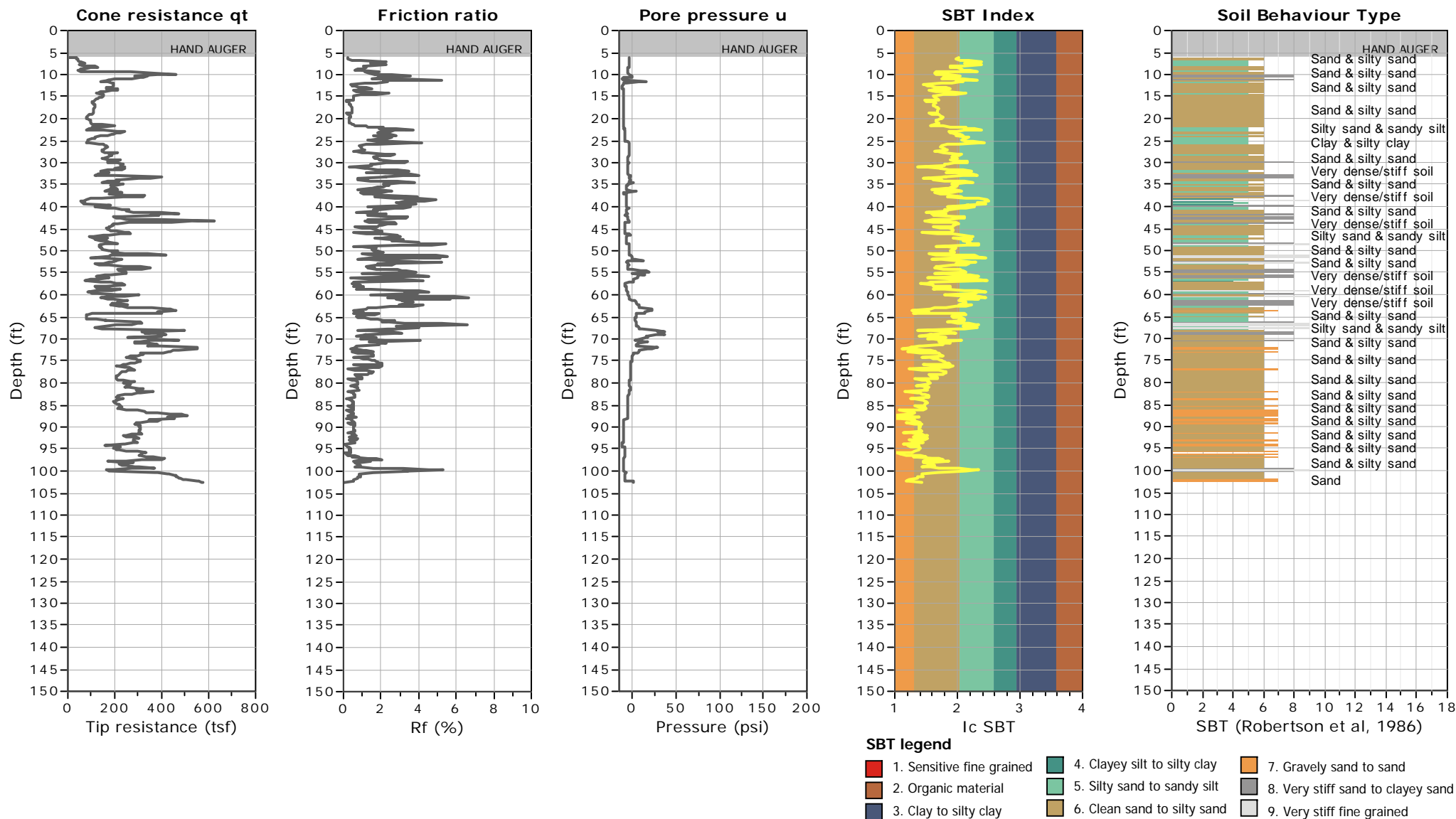


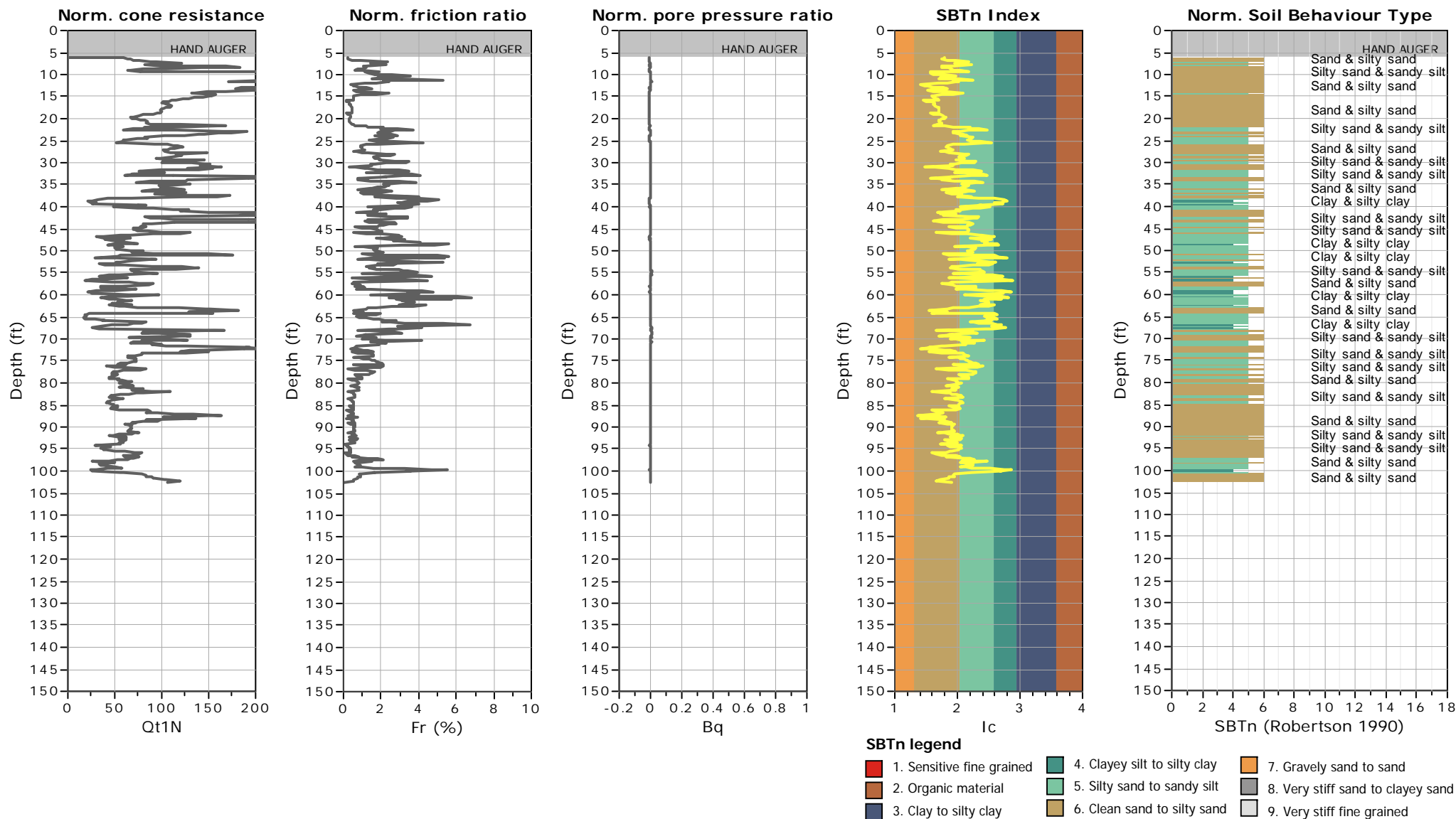
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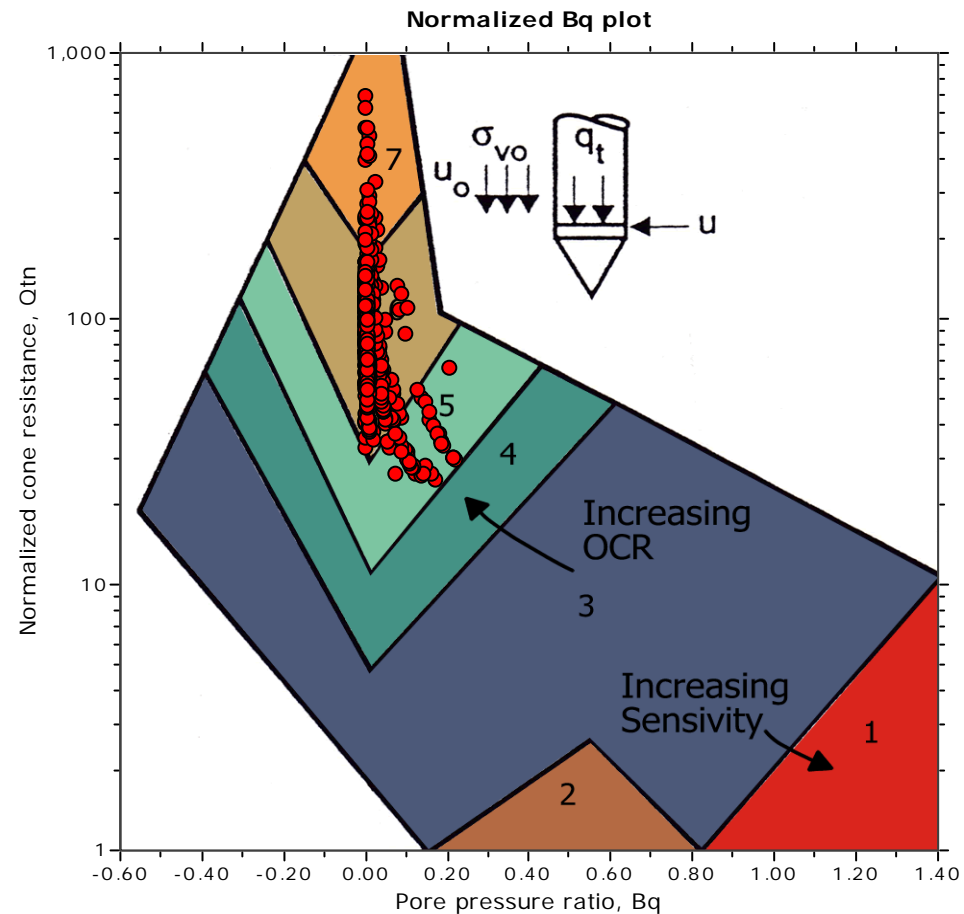
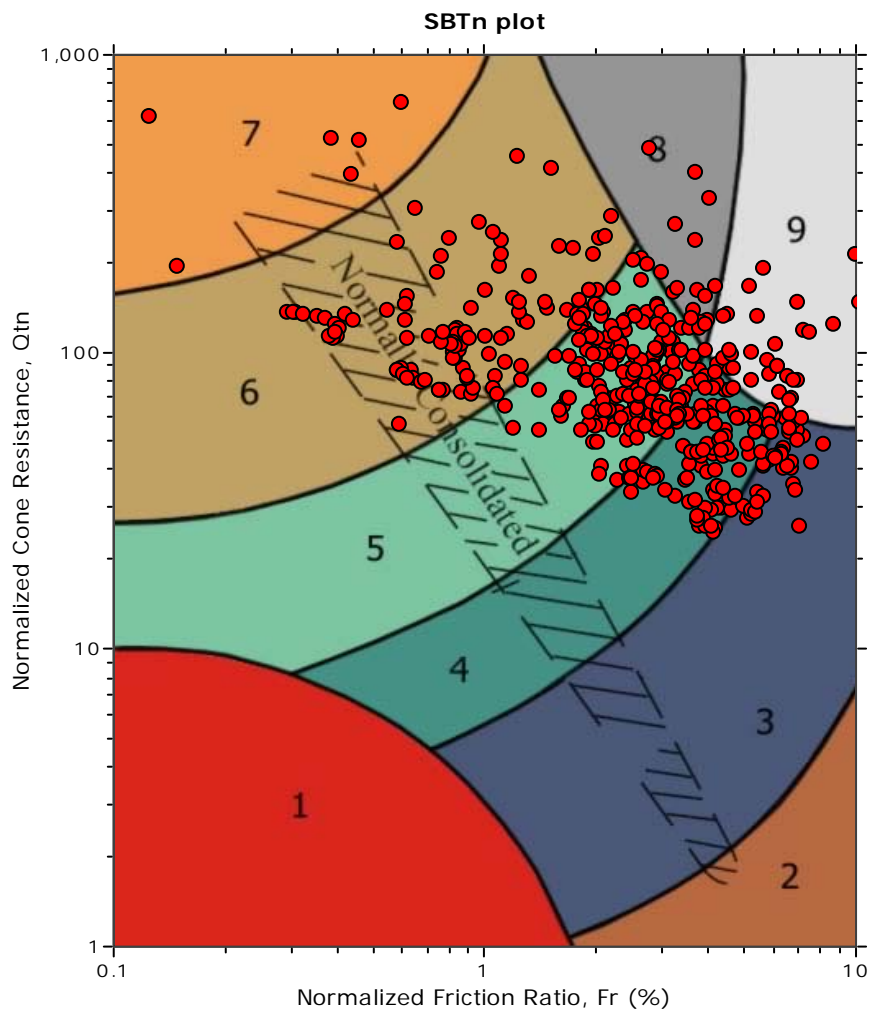
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



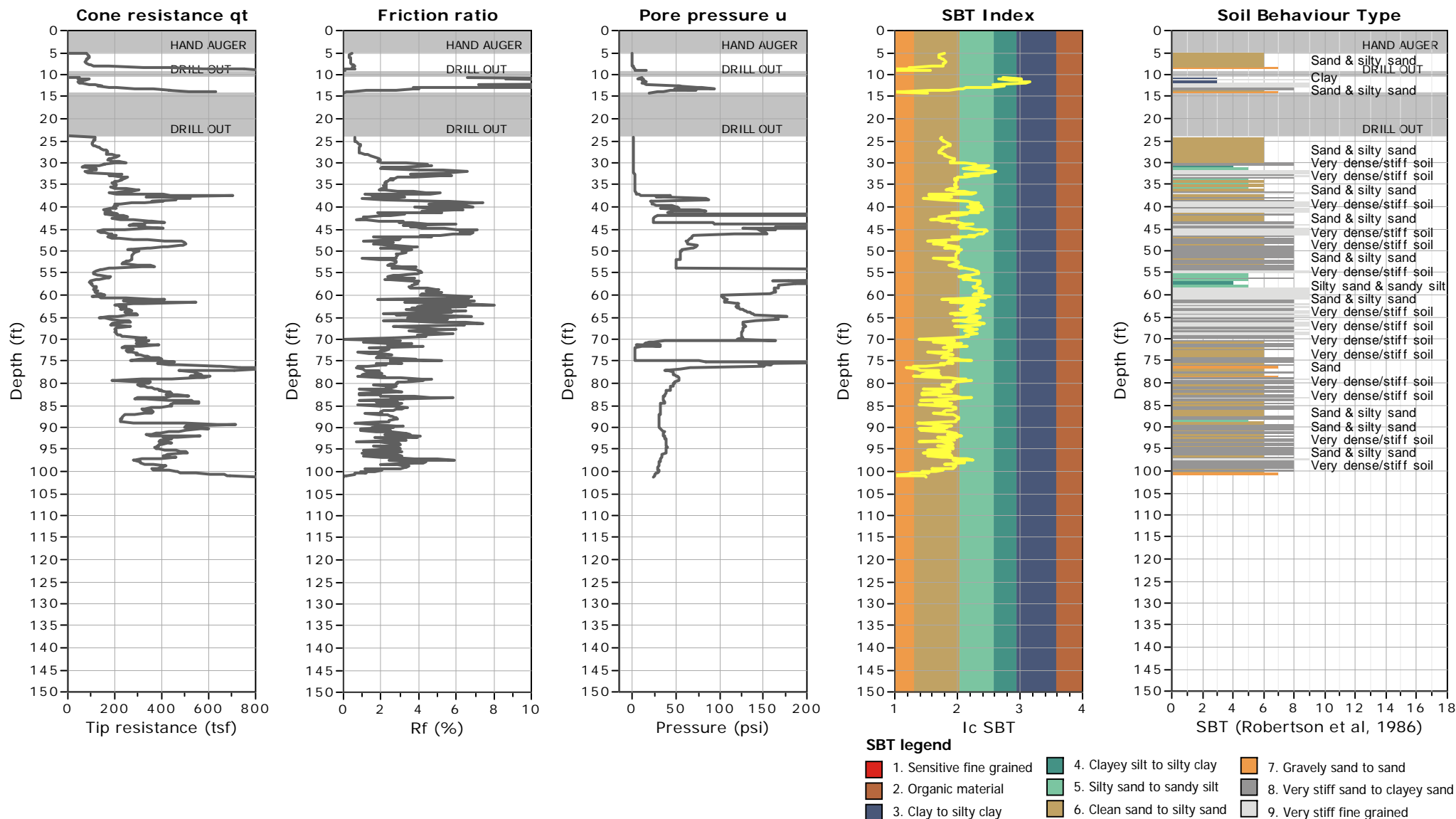


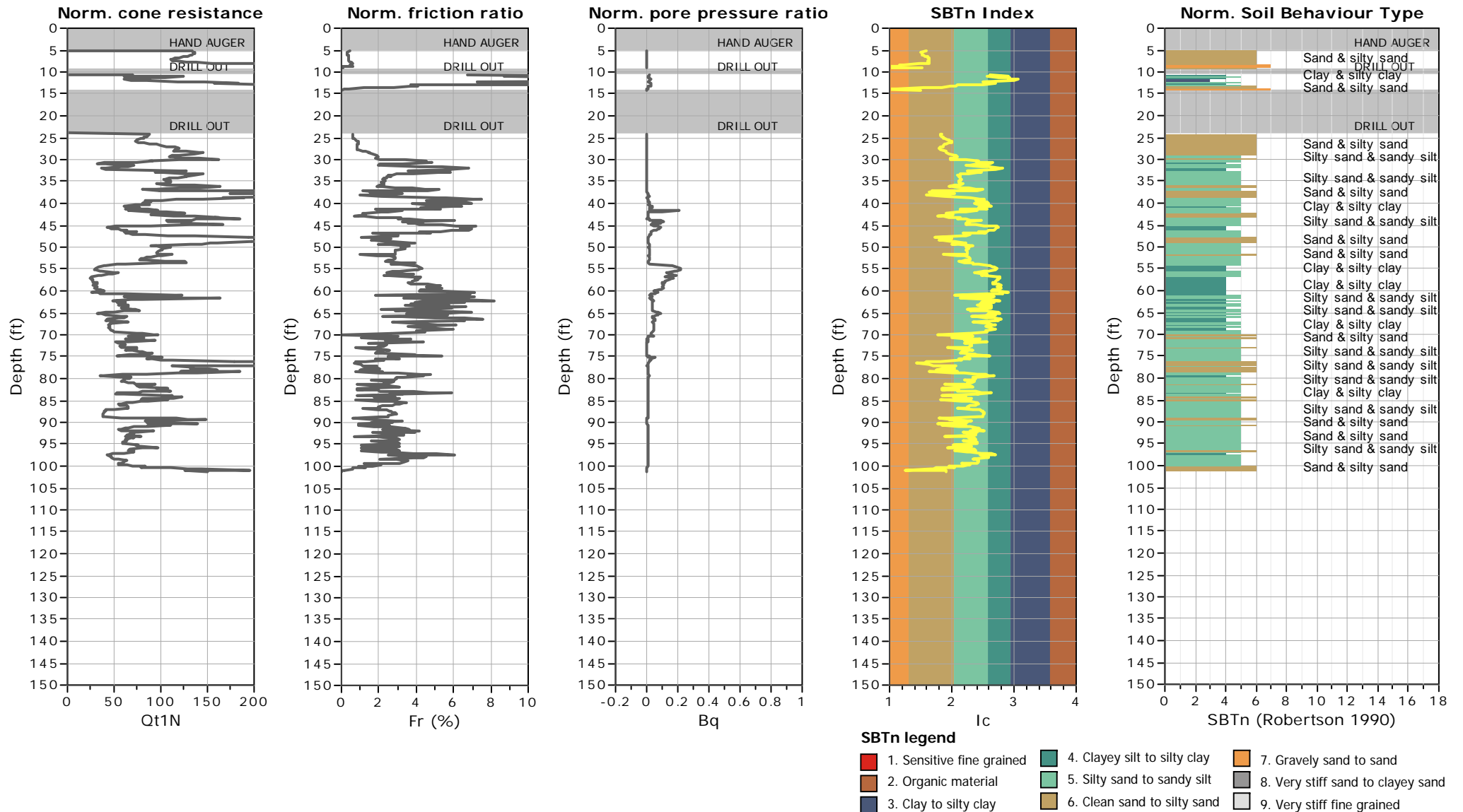
SBT - Bq plots (normalized)



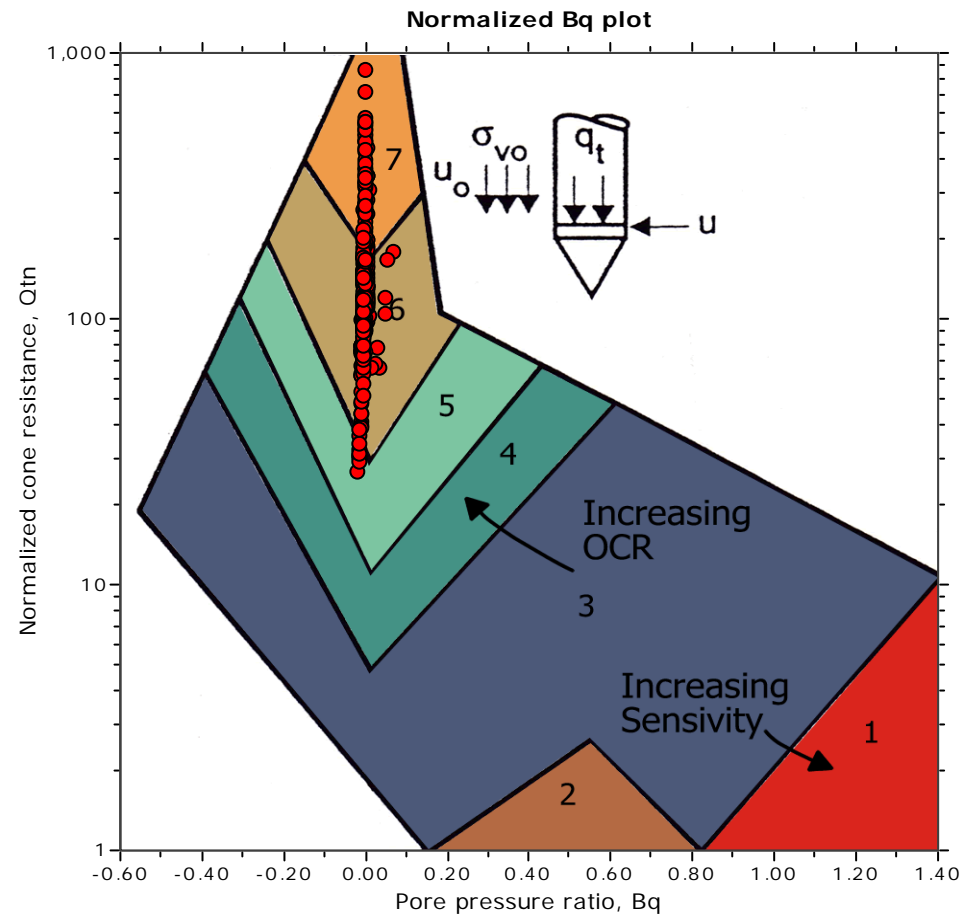
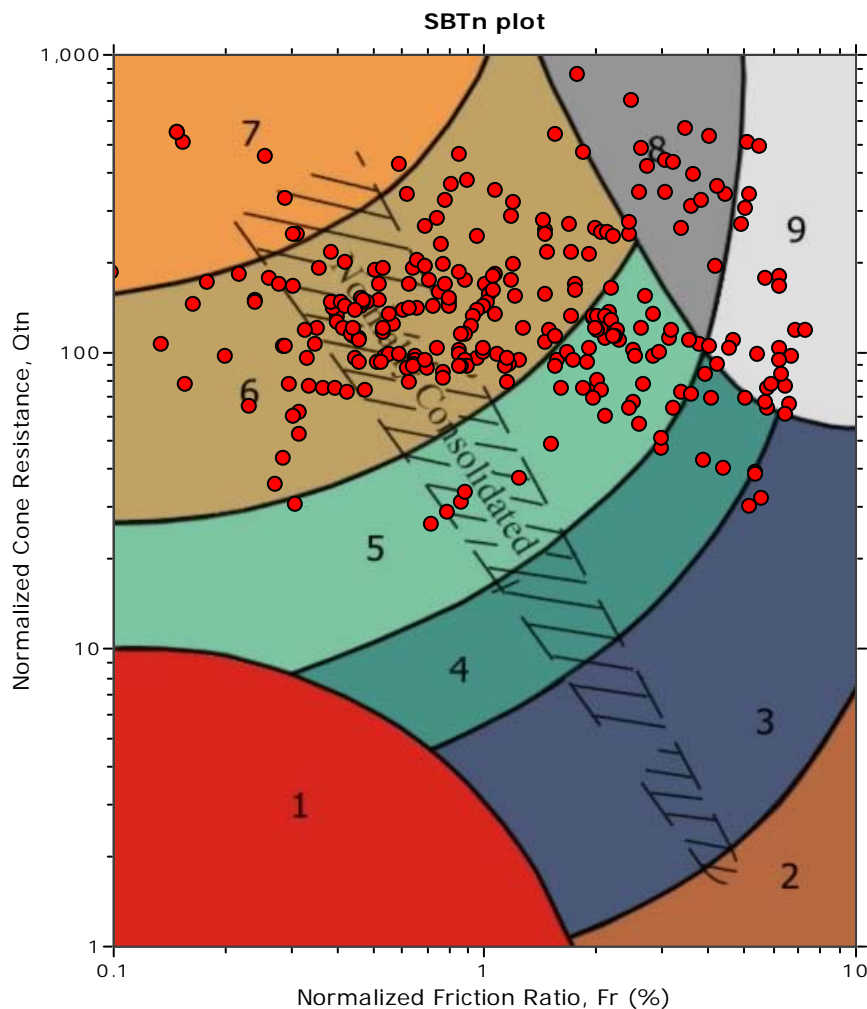
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



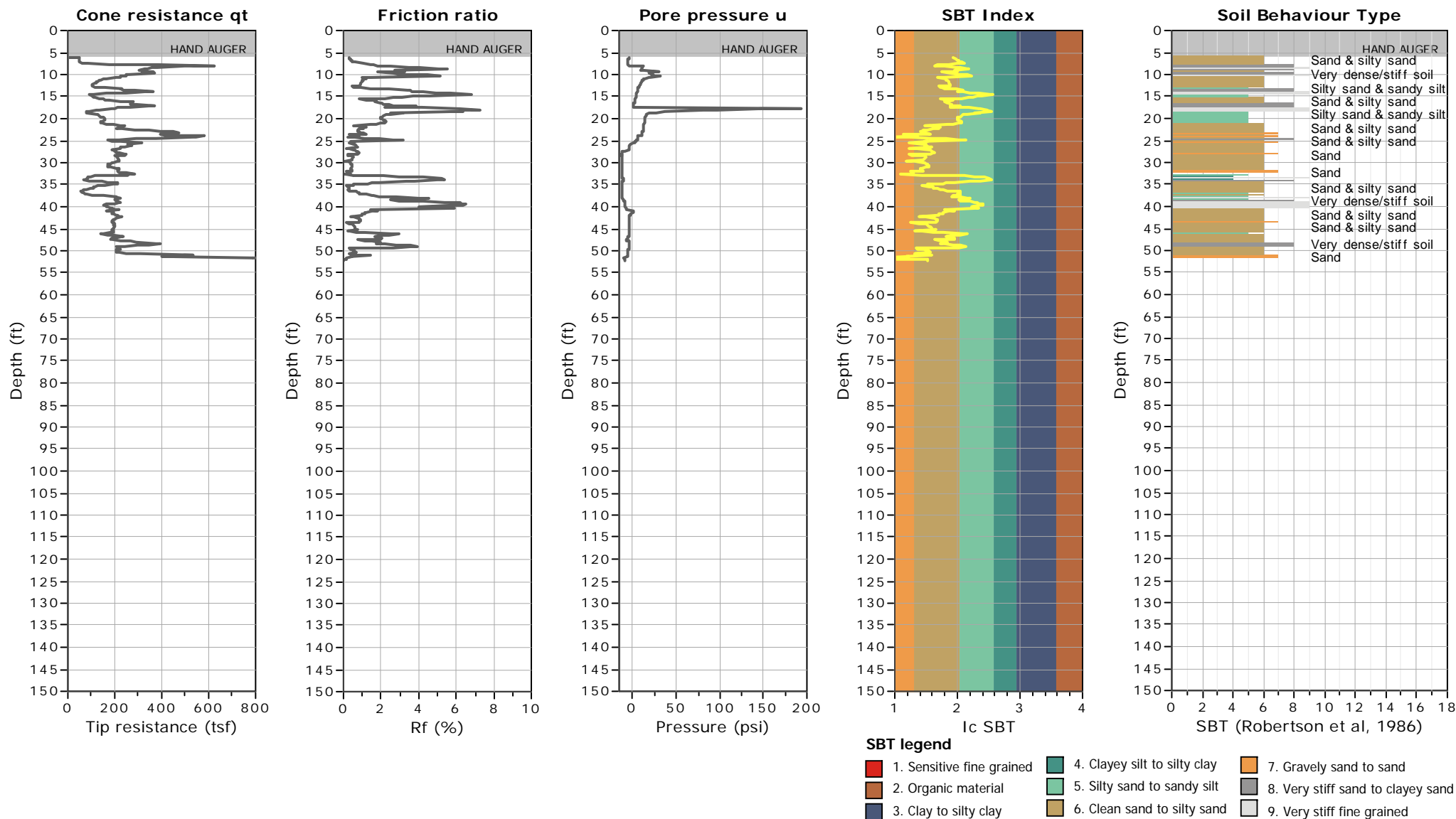


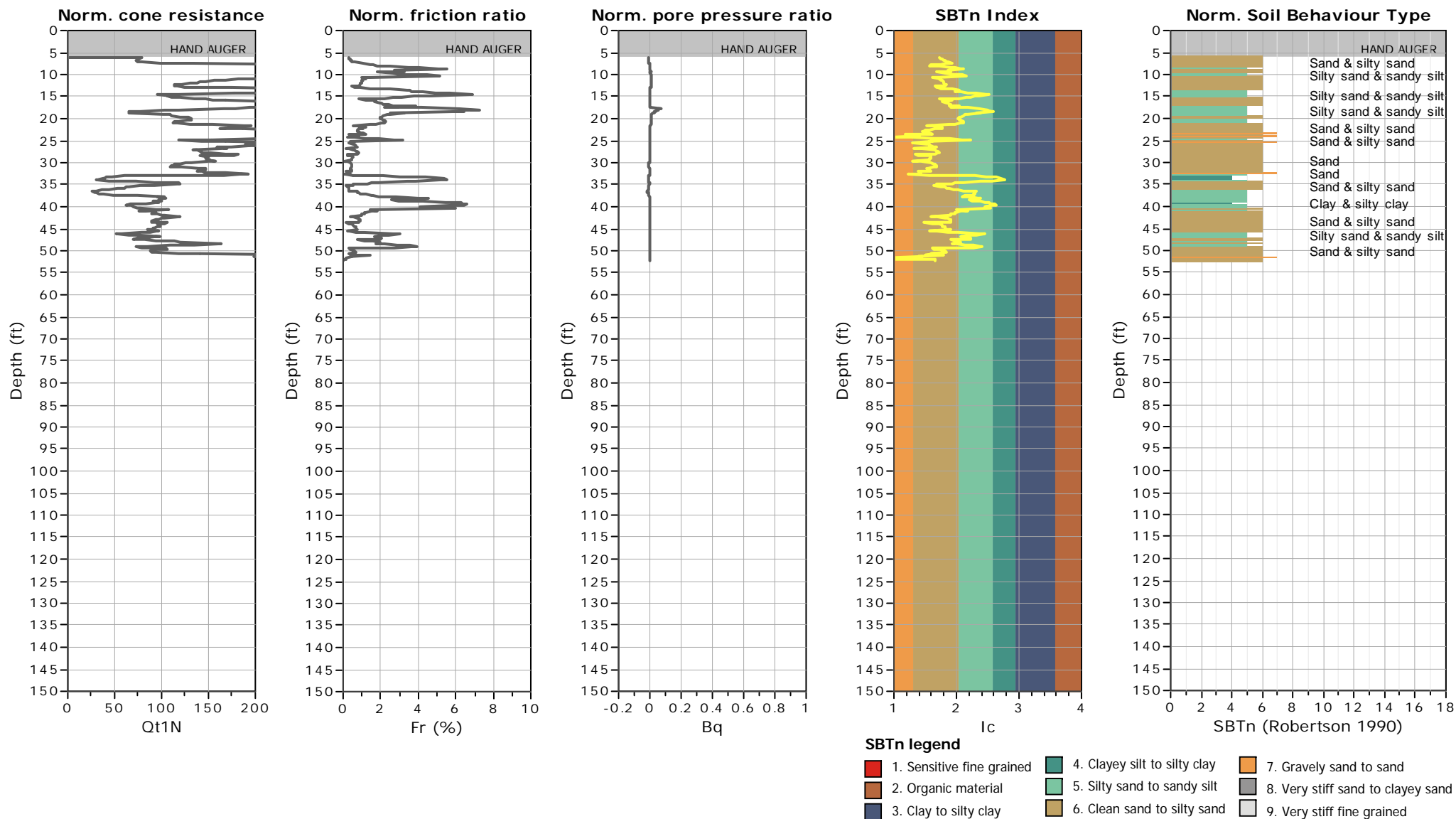
SBT - Bq plots (normalized)



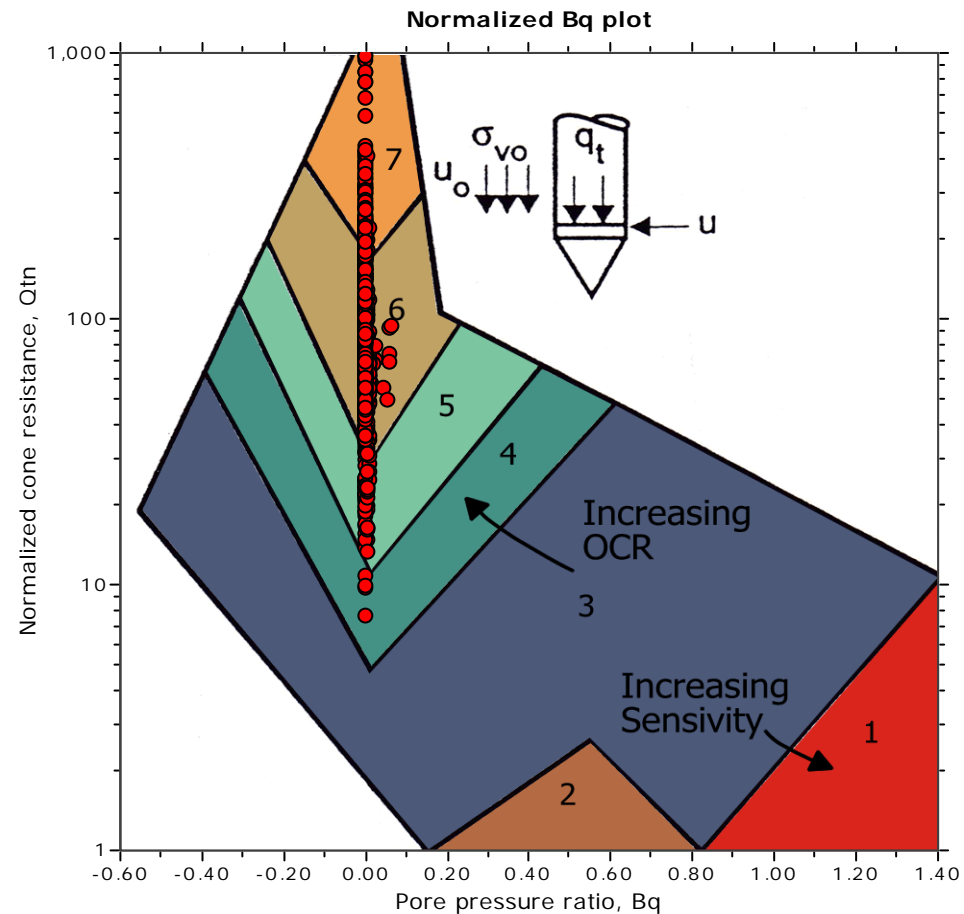
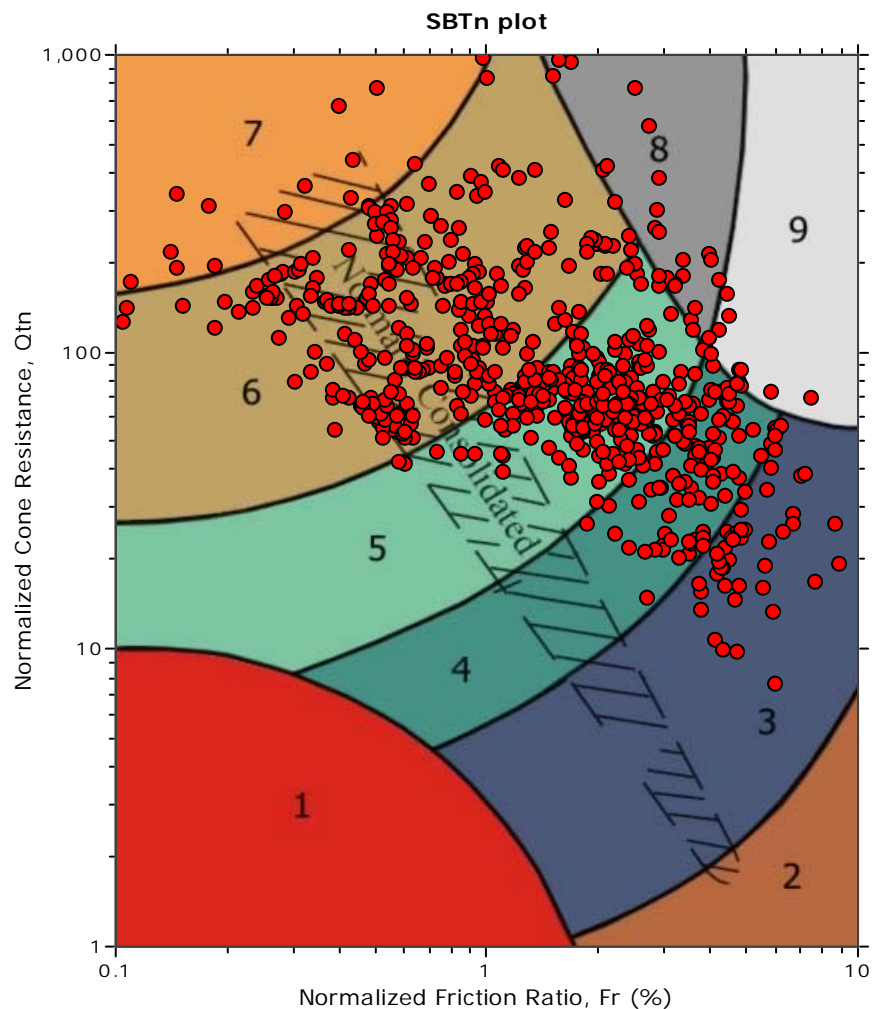
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



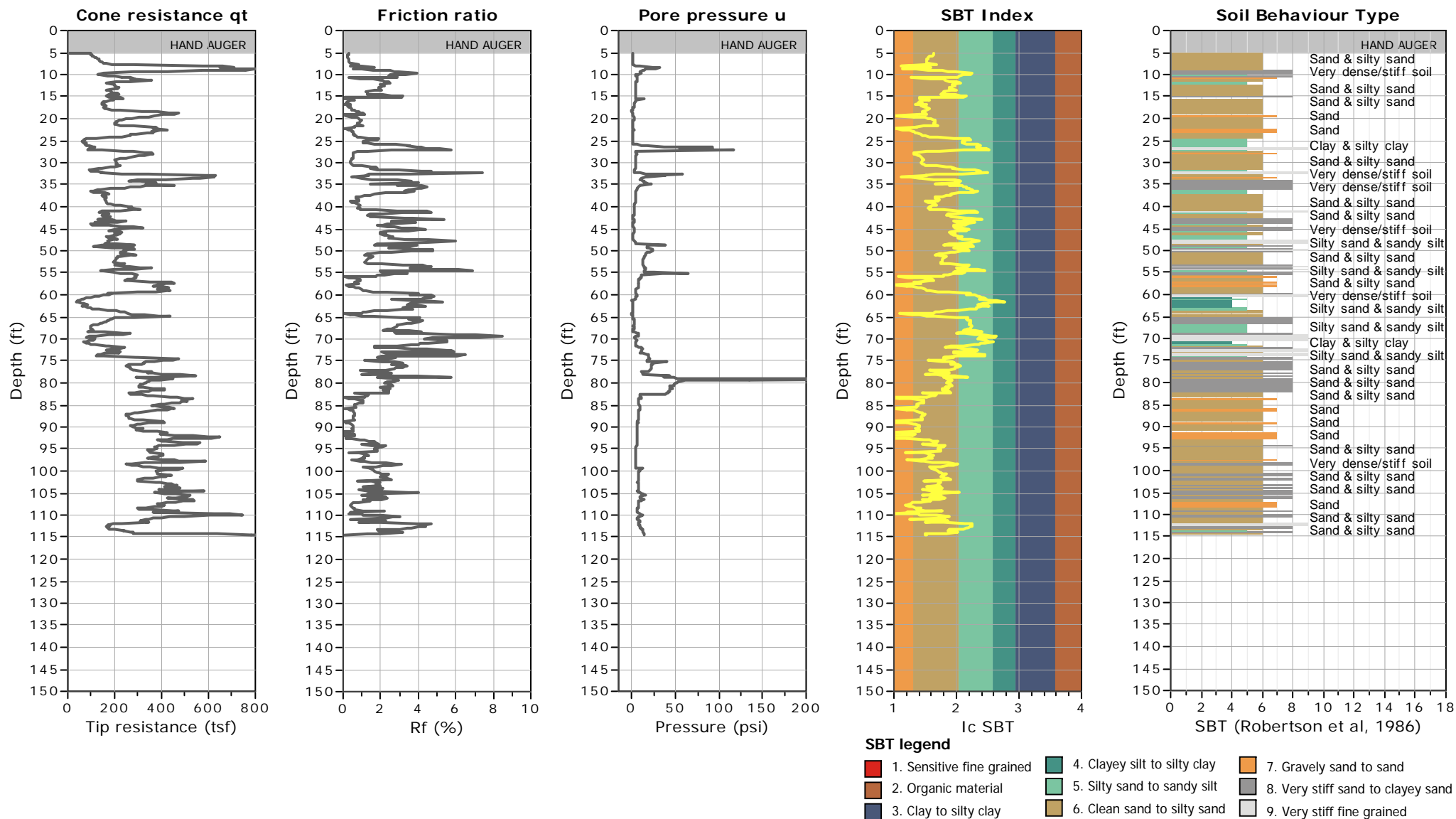


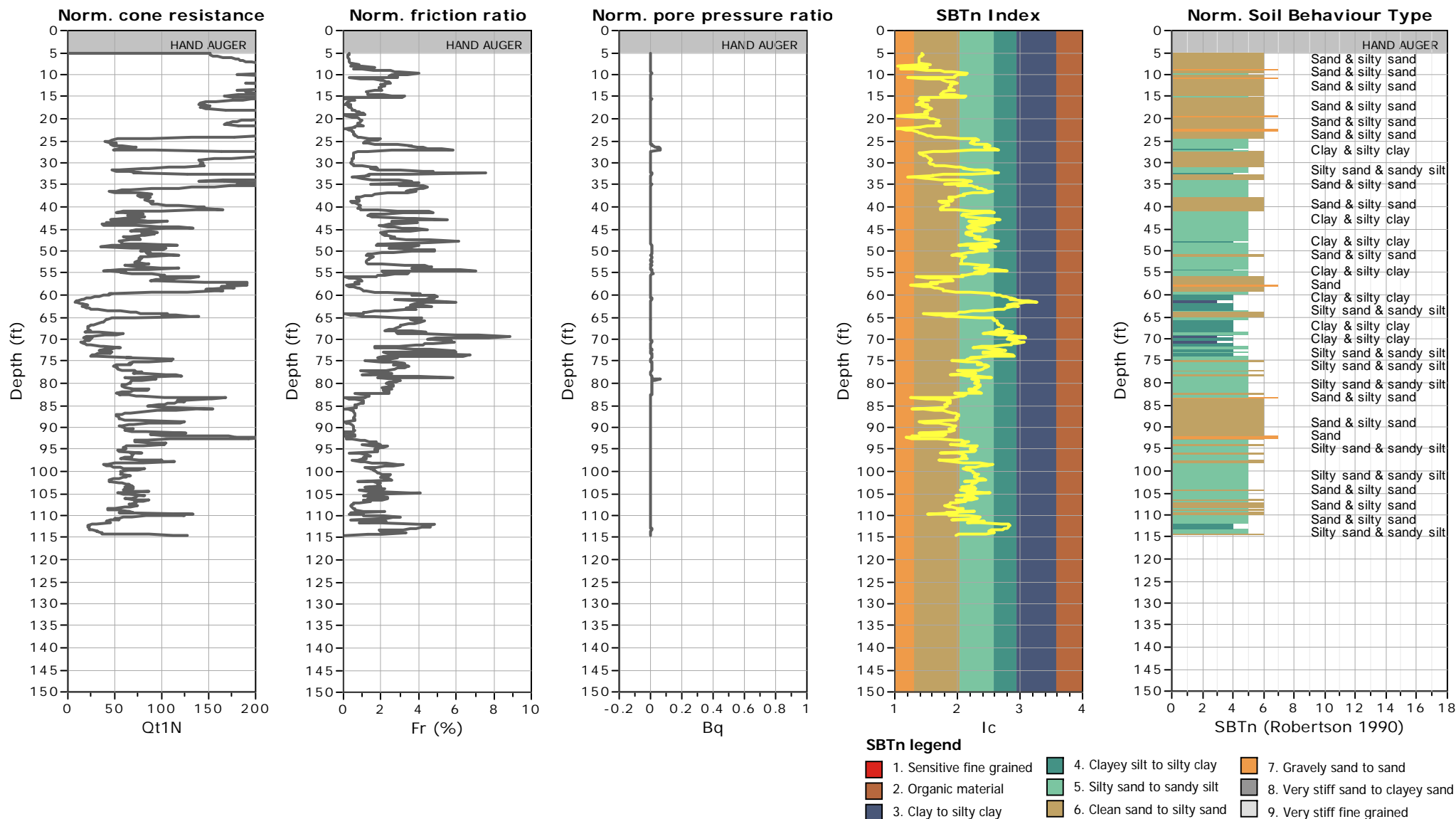
SBT - Bq plots (normalized)



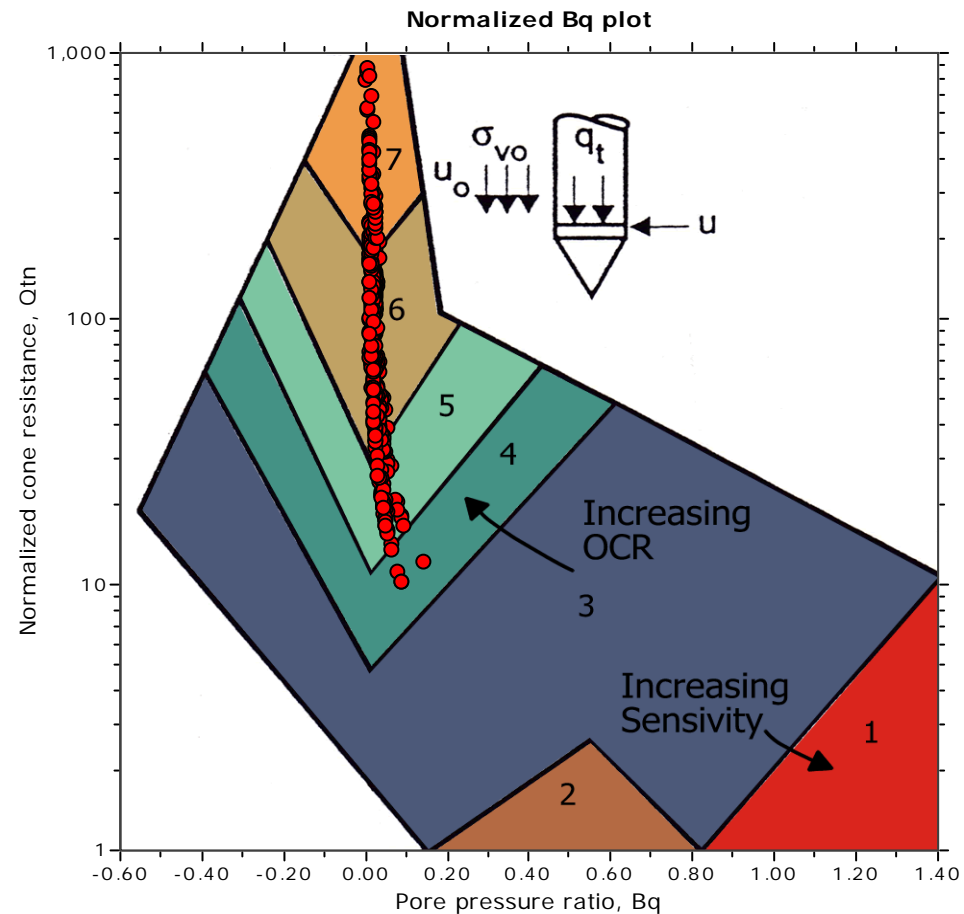
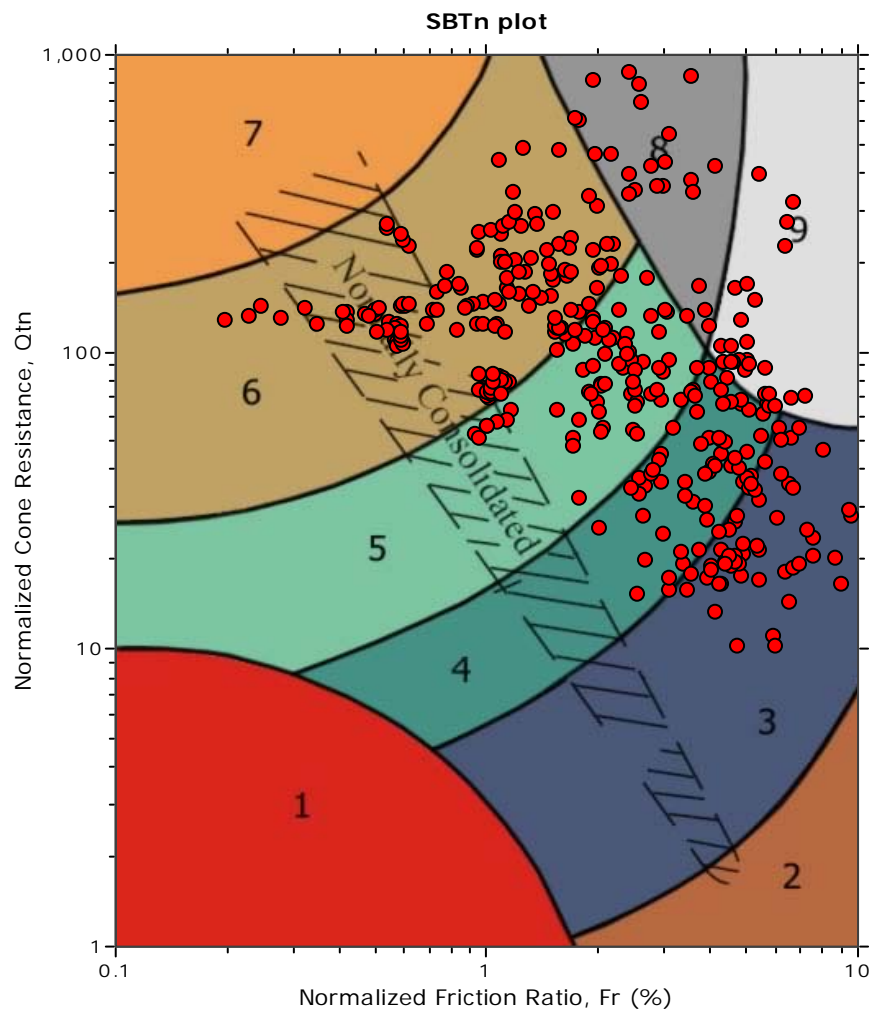
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



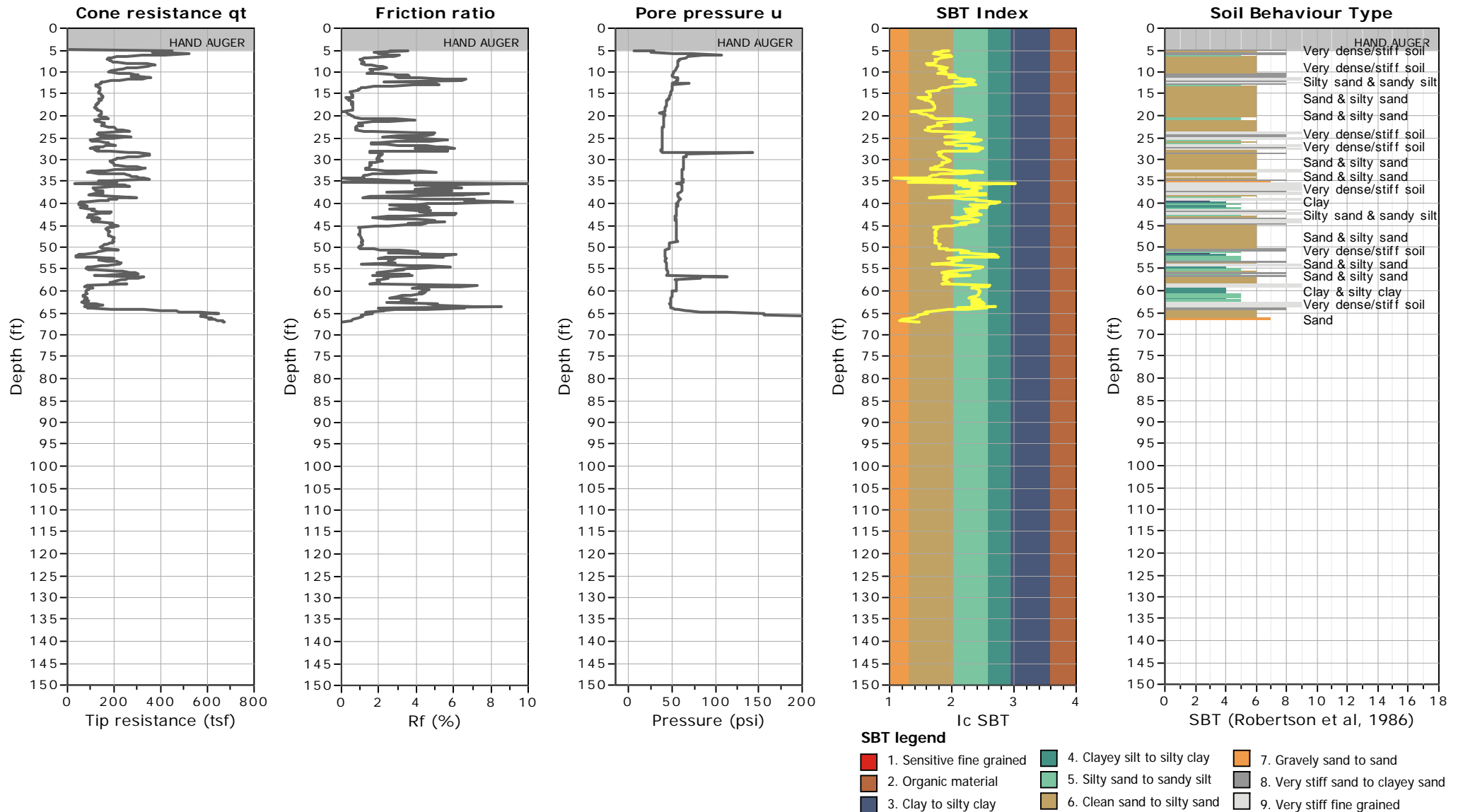


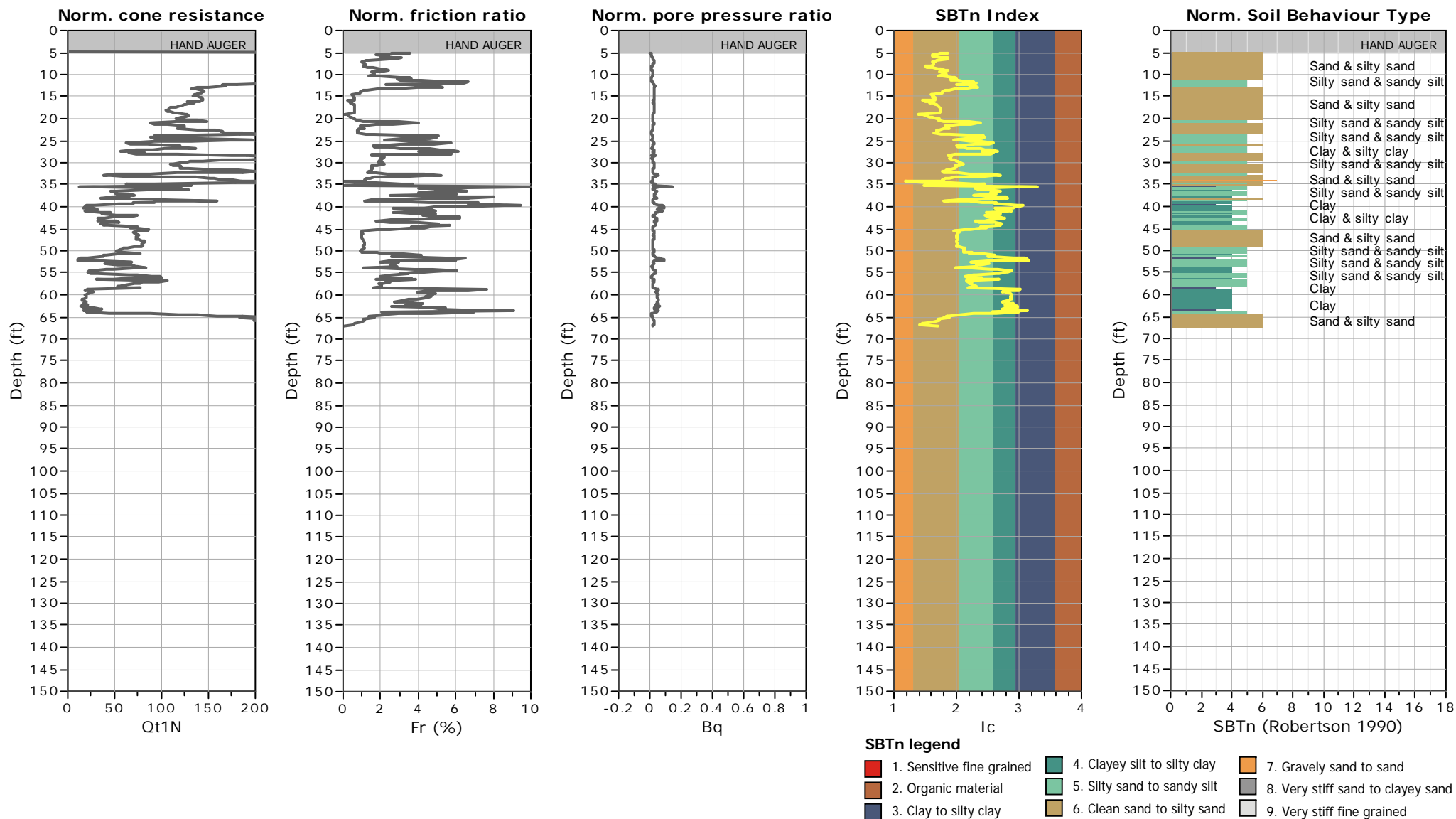
SBT - Bq plots (normalized)



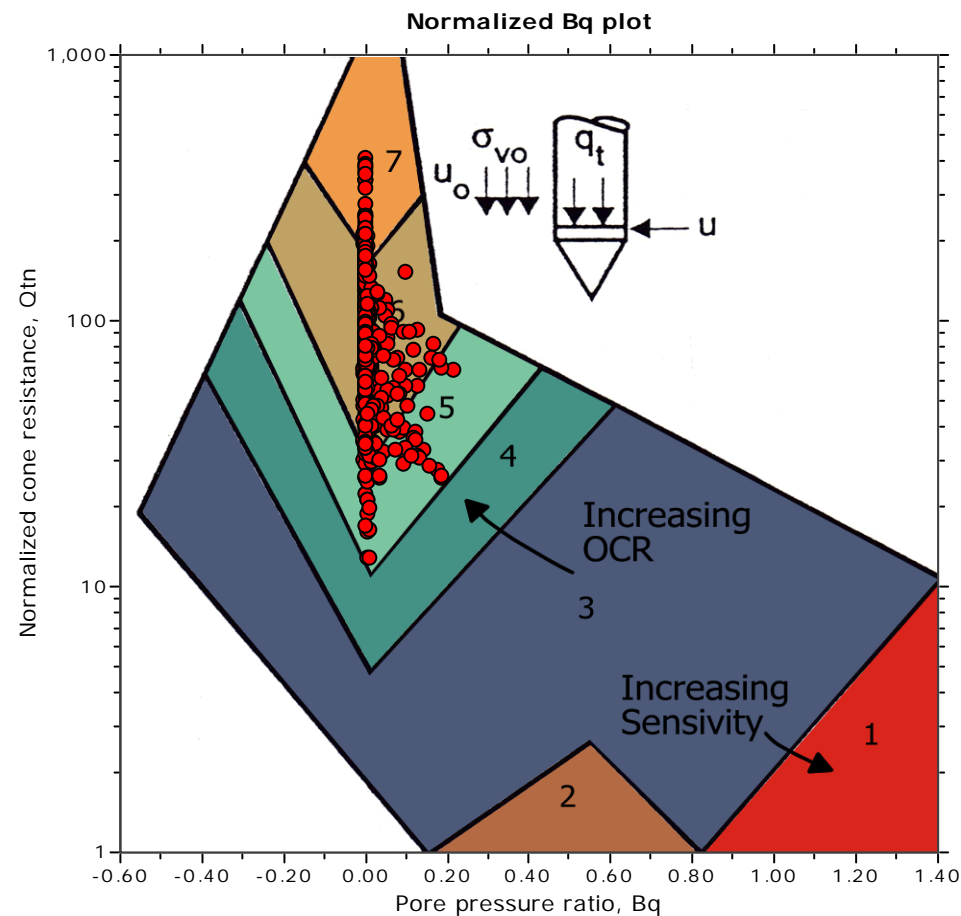
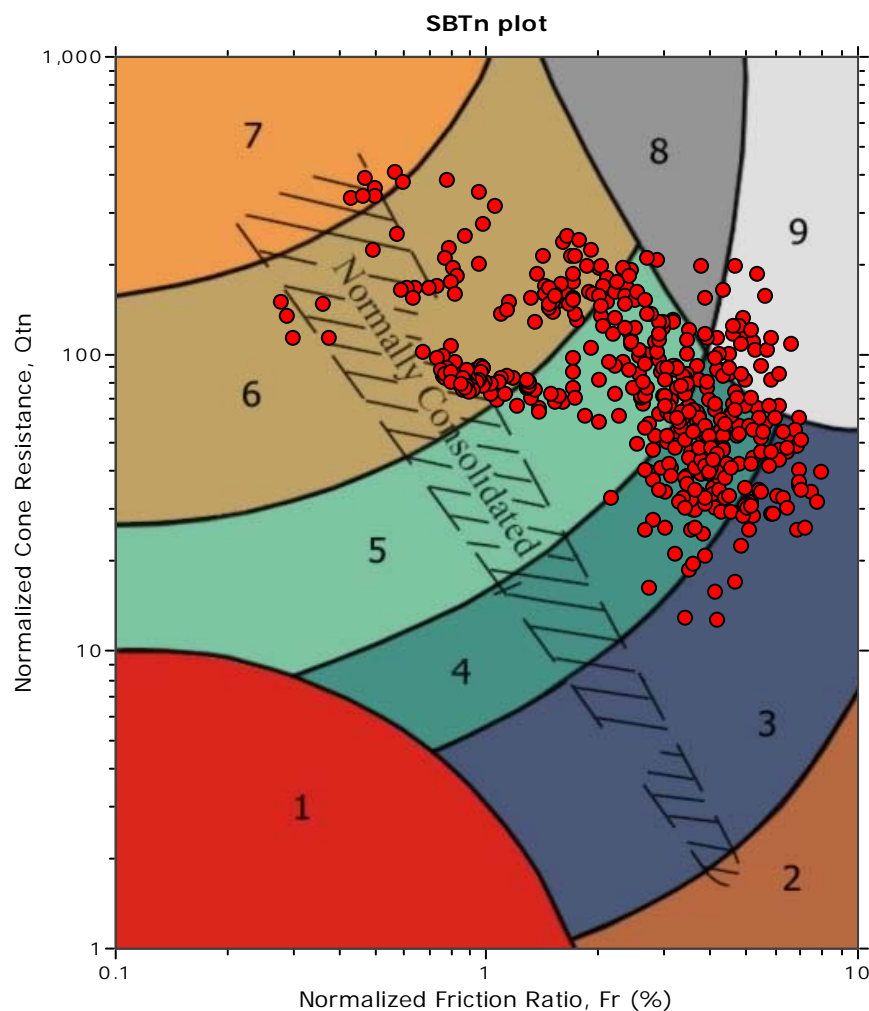
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



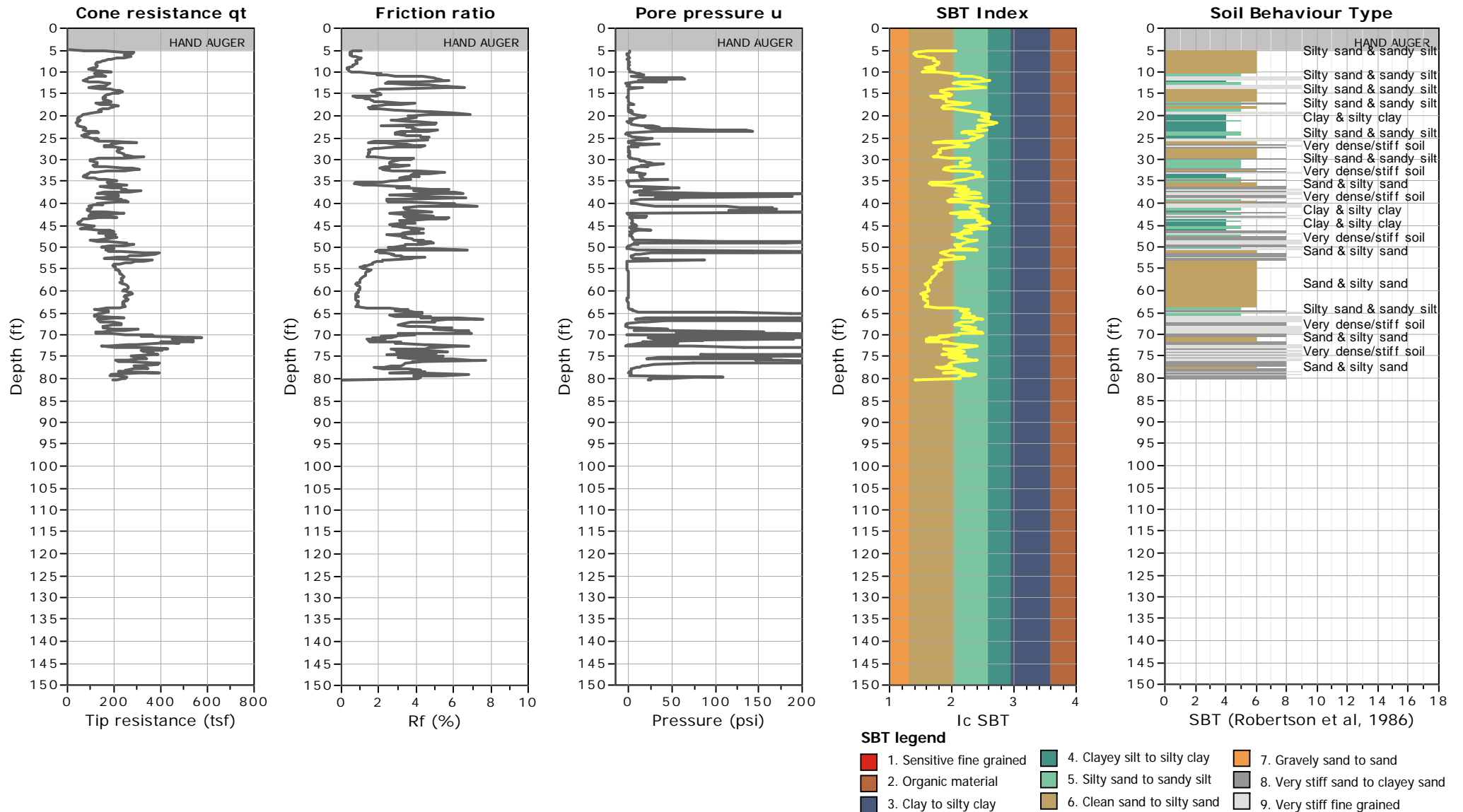


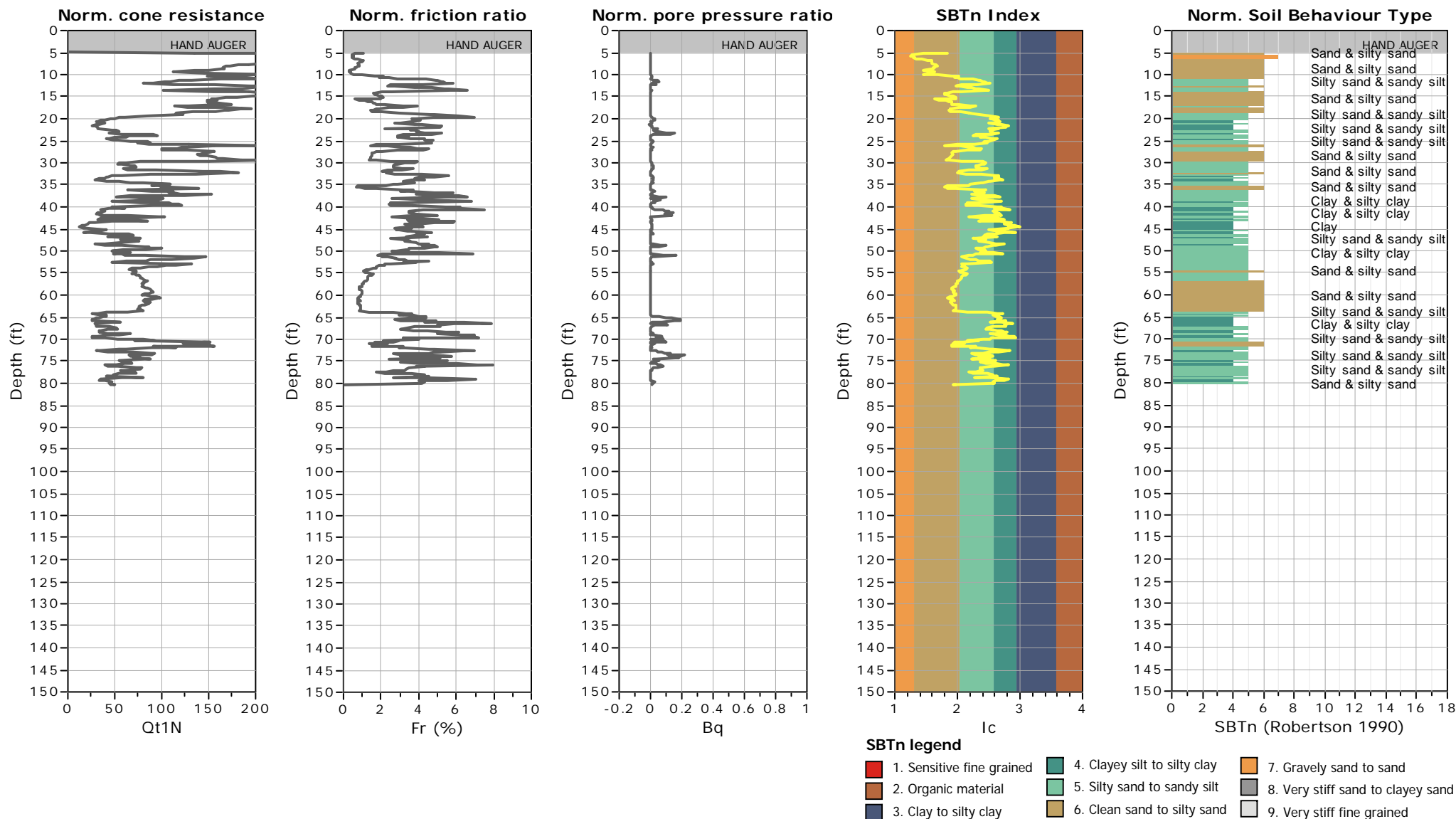
SBT - Bq plots (normalized)



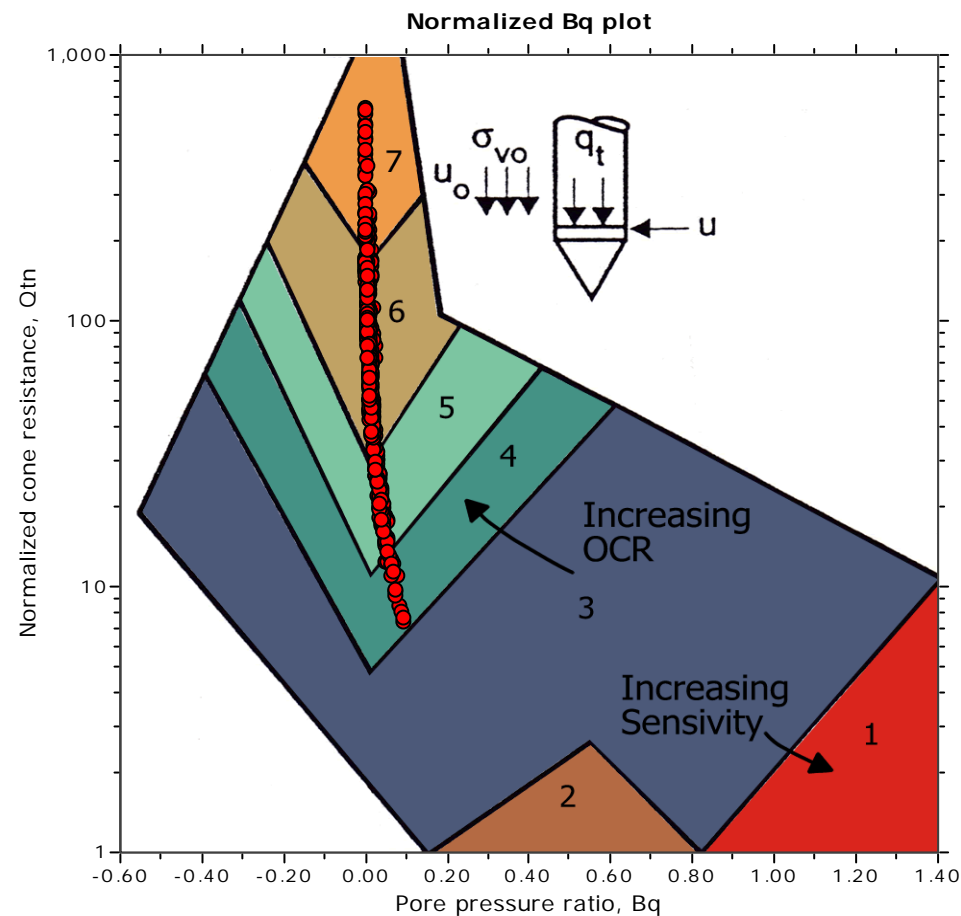
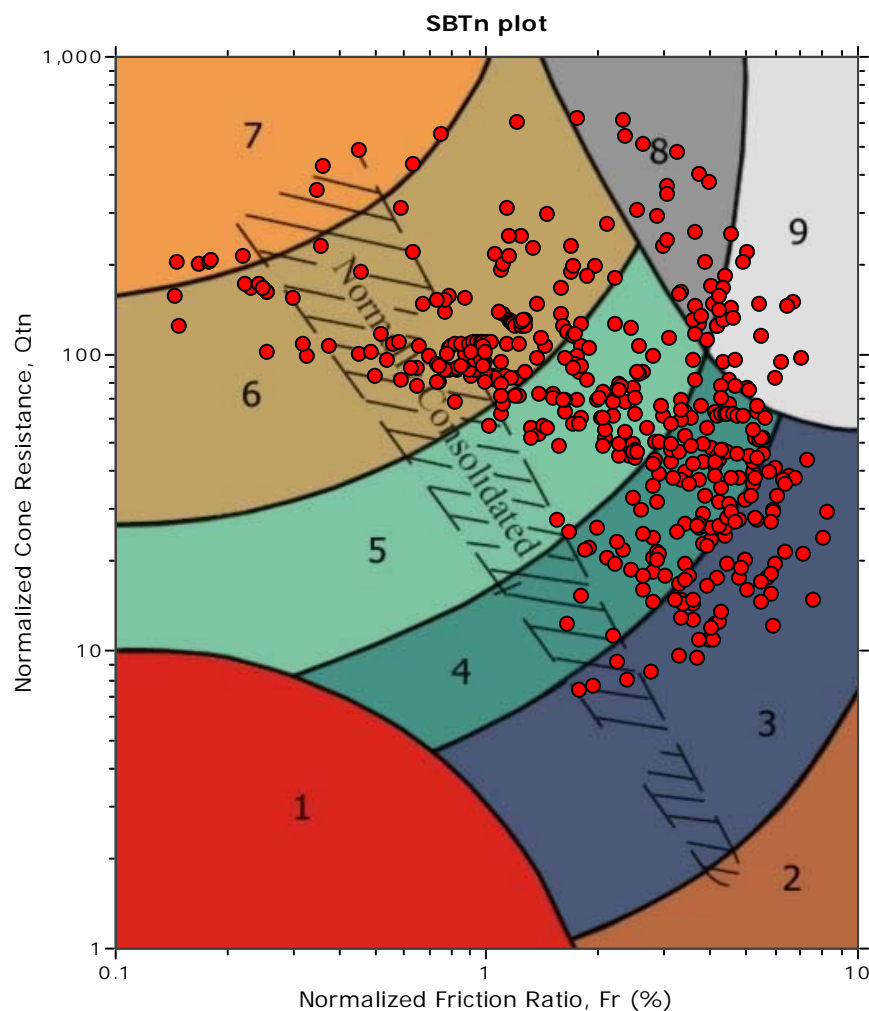
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



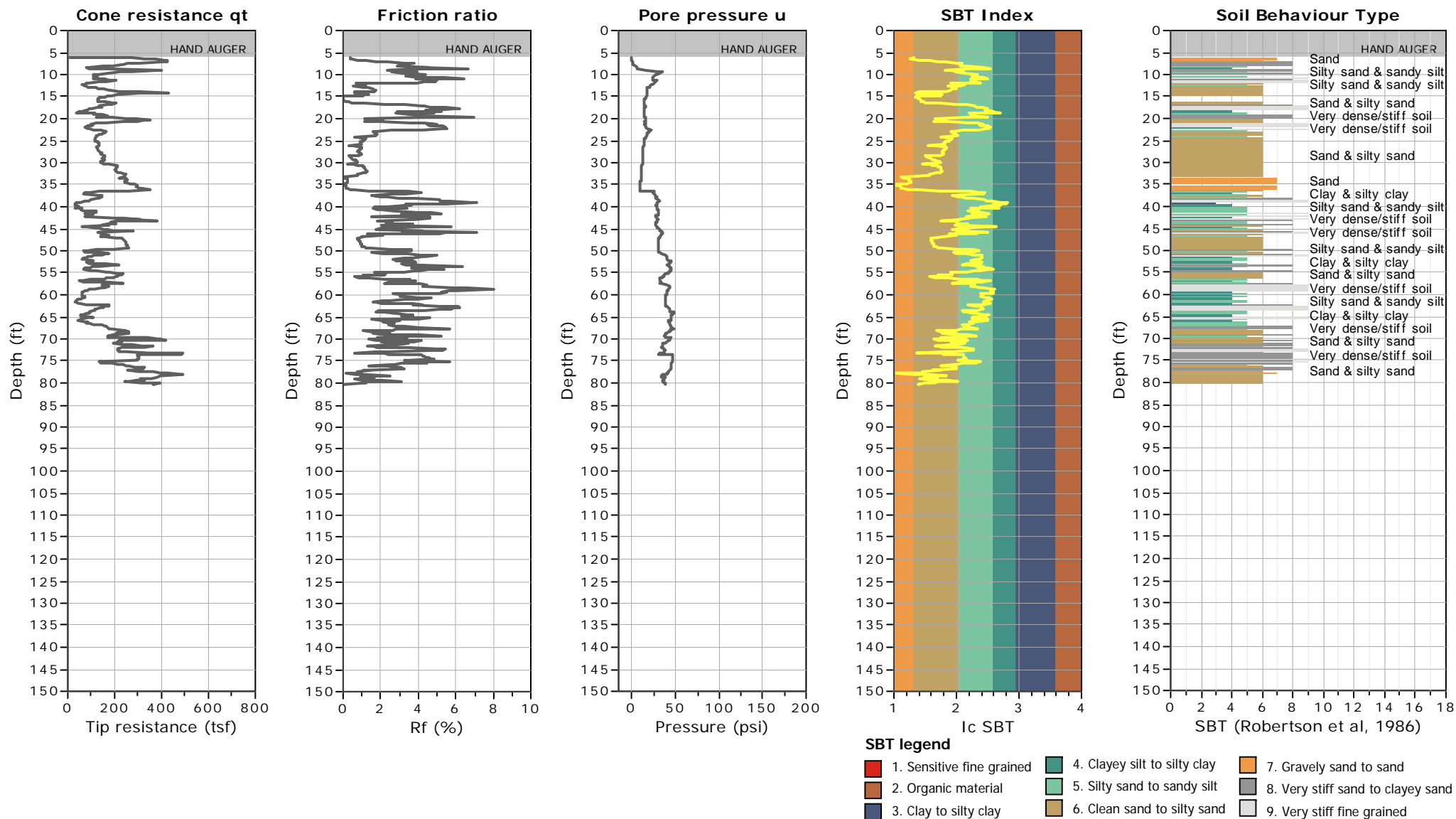


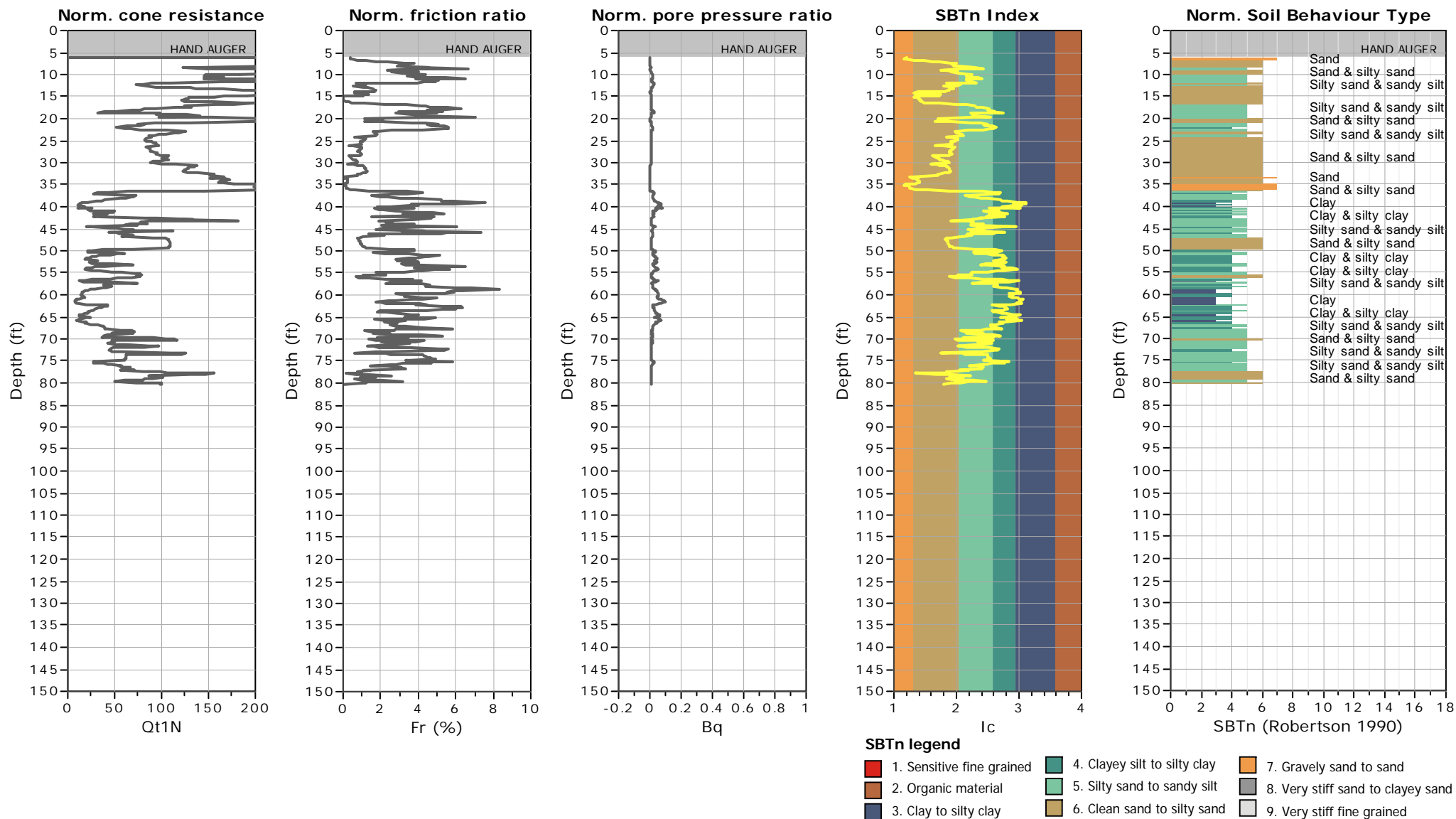
SBT - Bq plots (normalized)



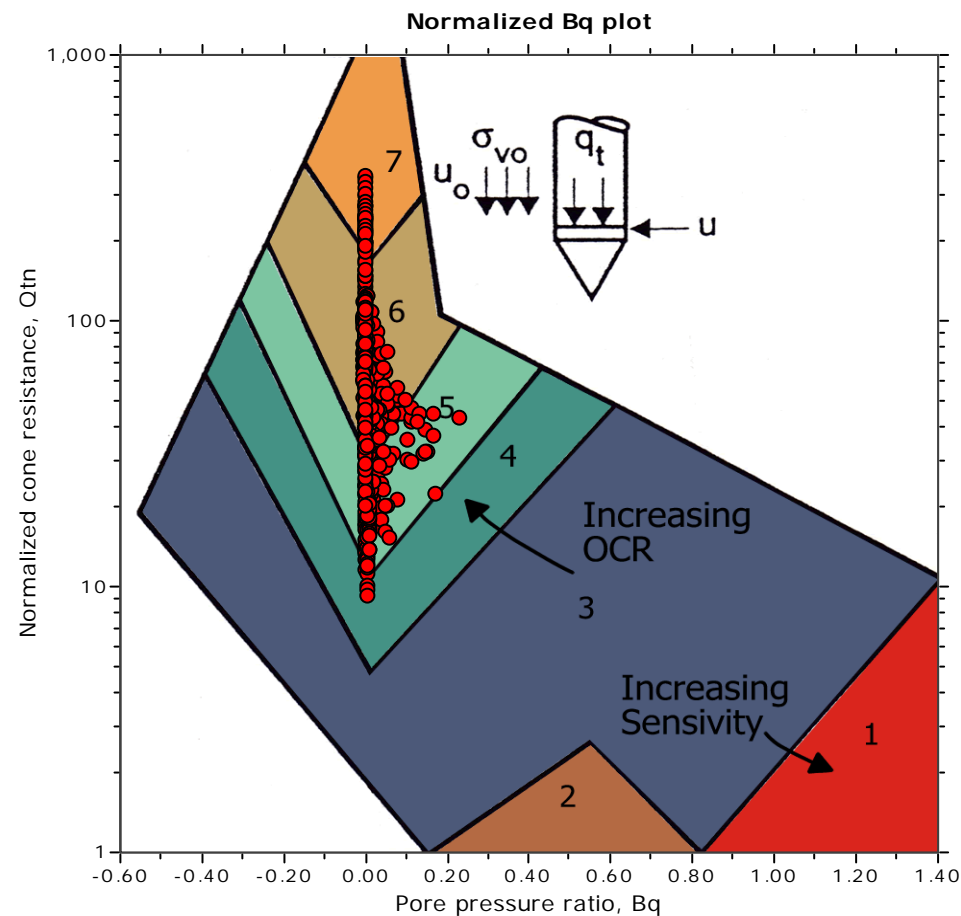
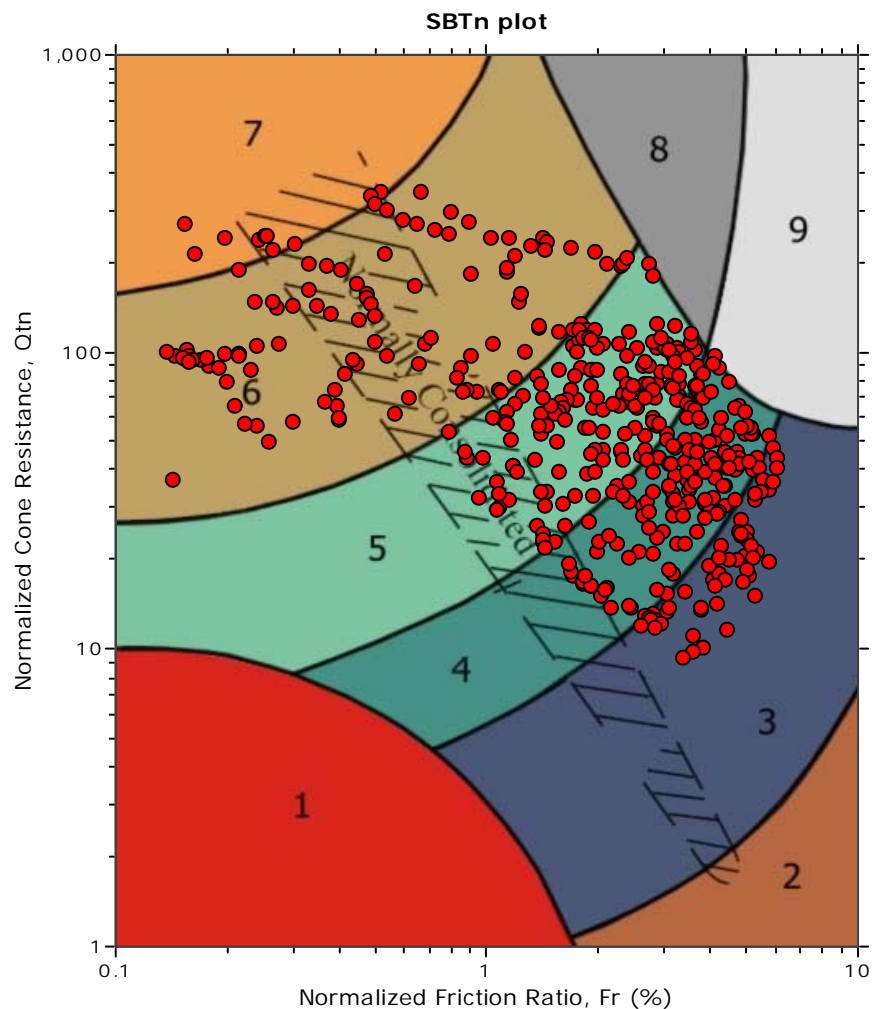
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



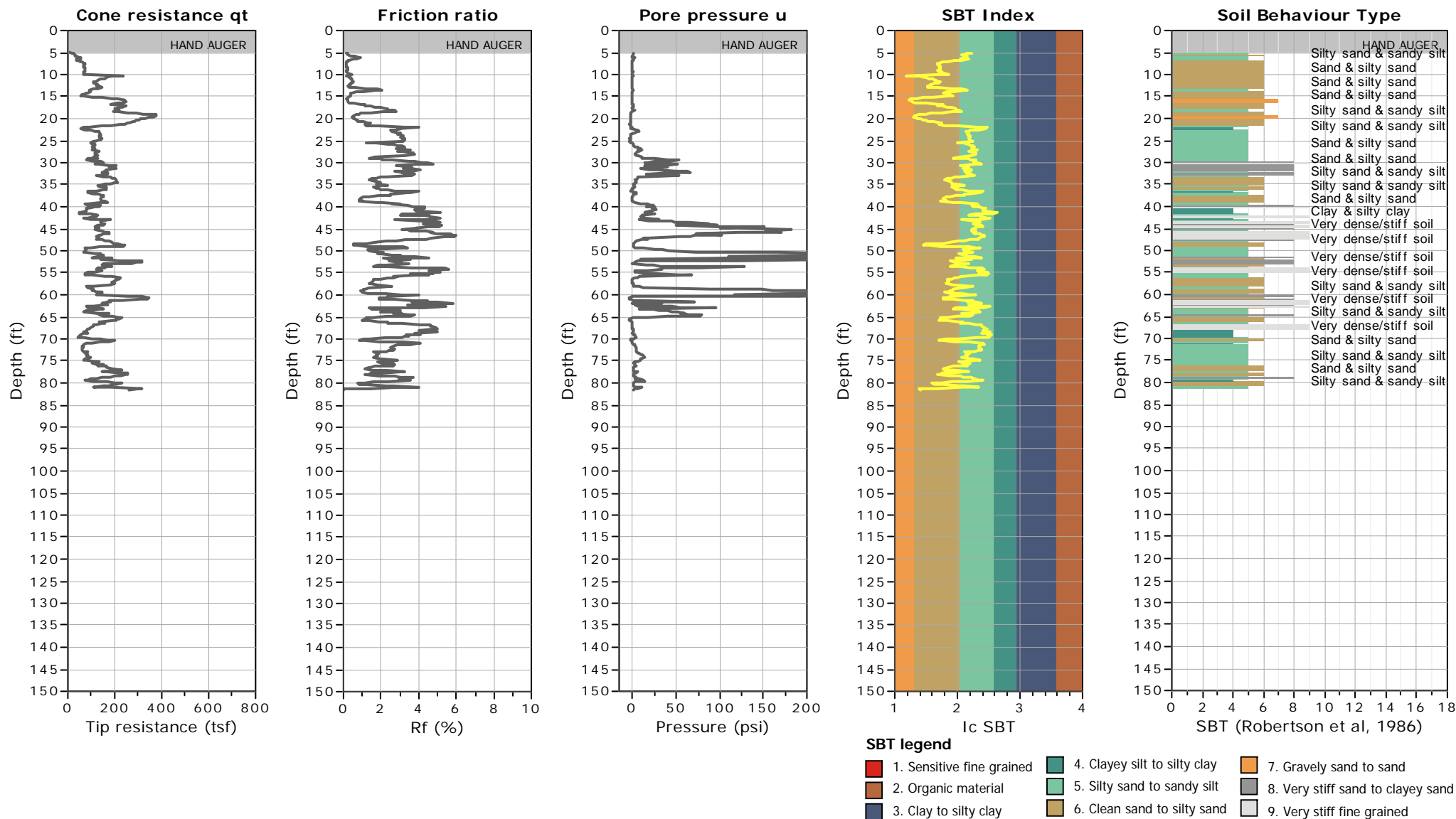


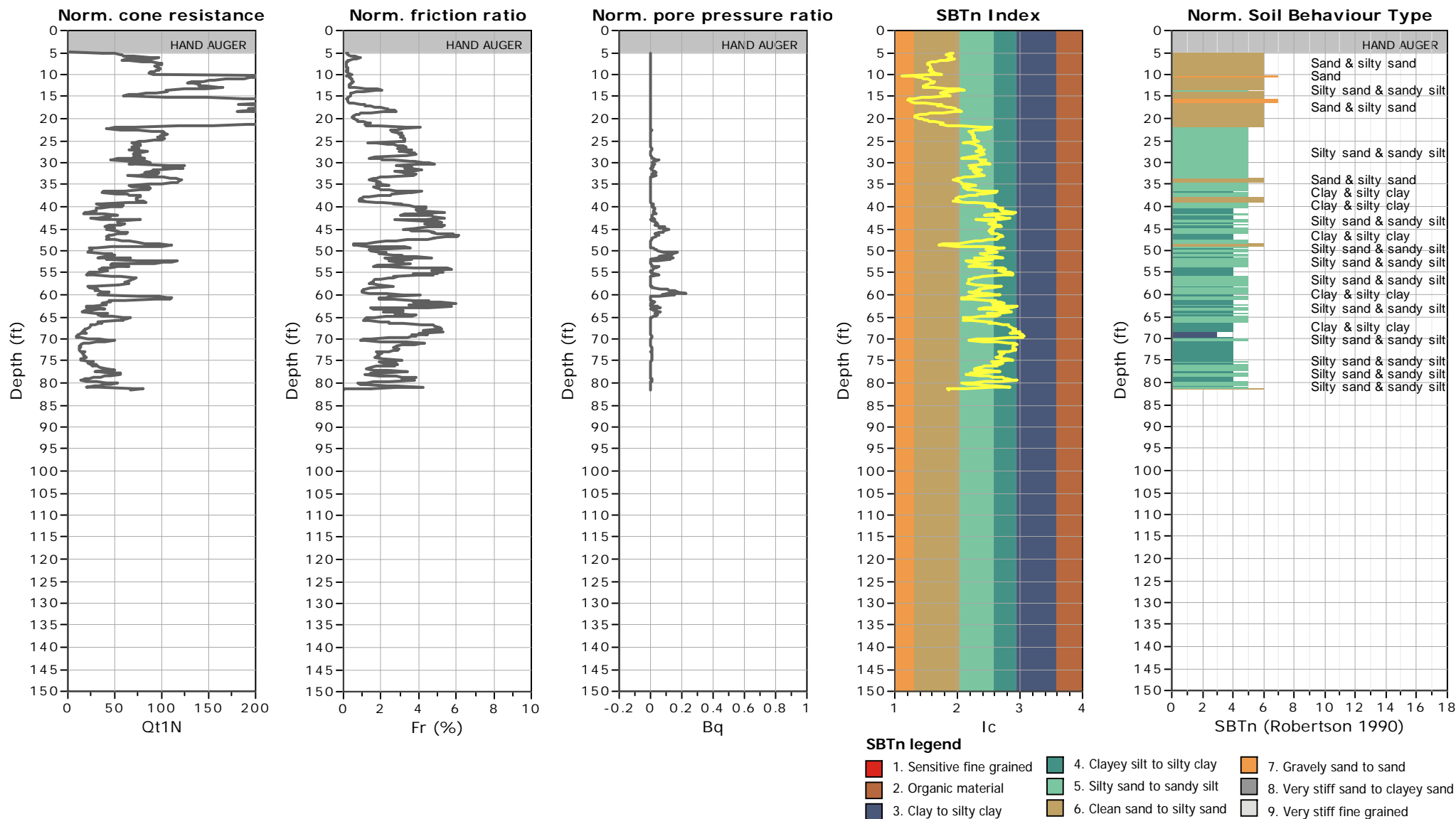
SBT - Bq plots (normalized)



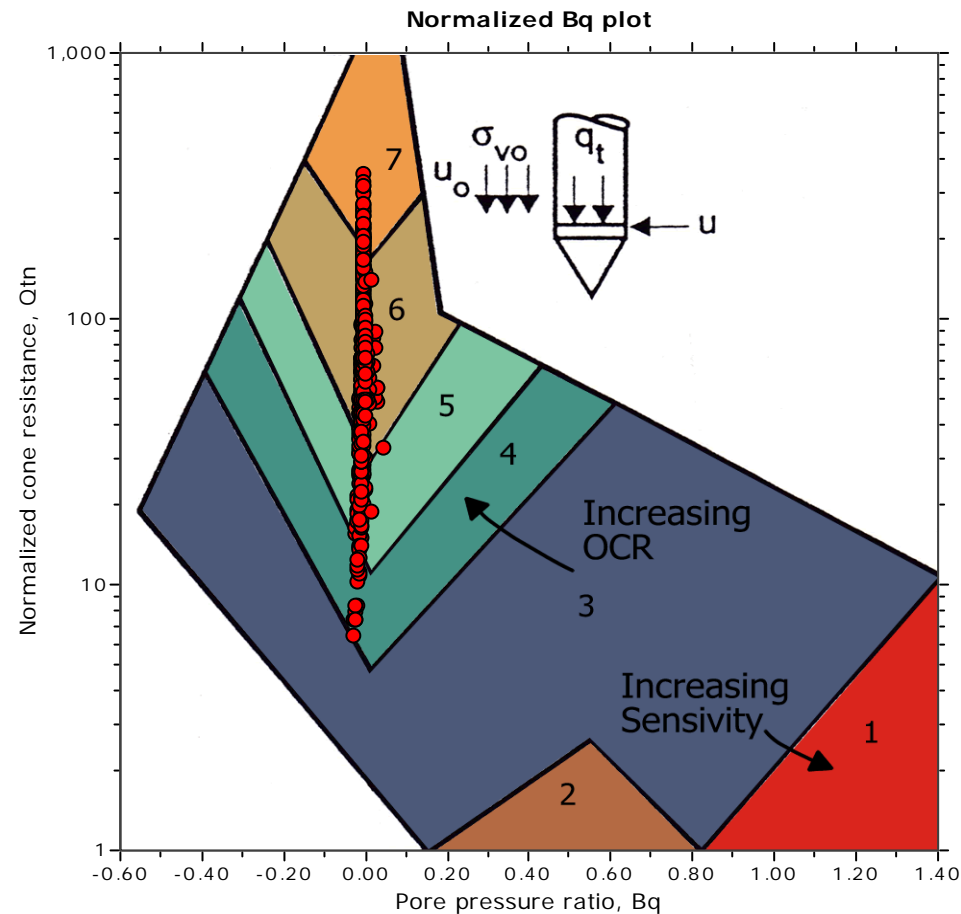
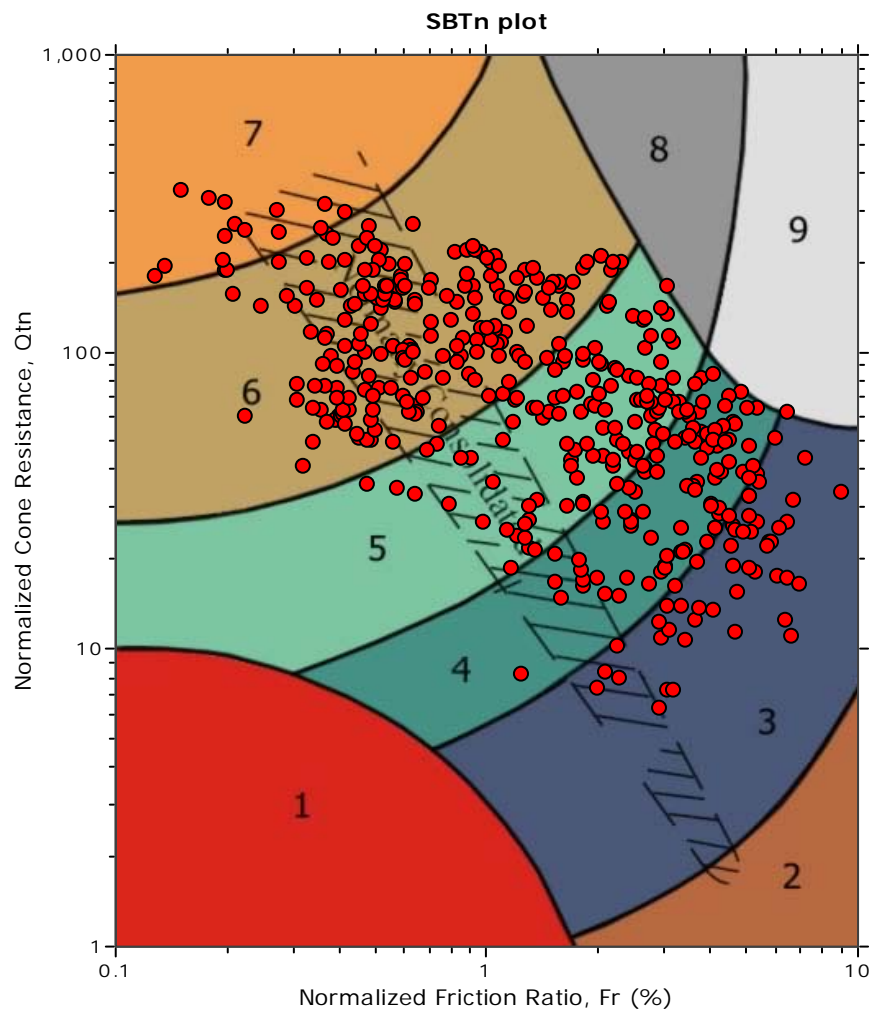
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



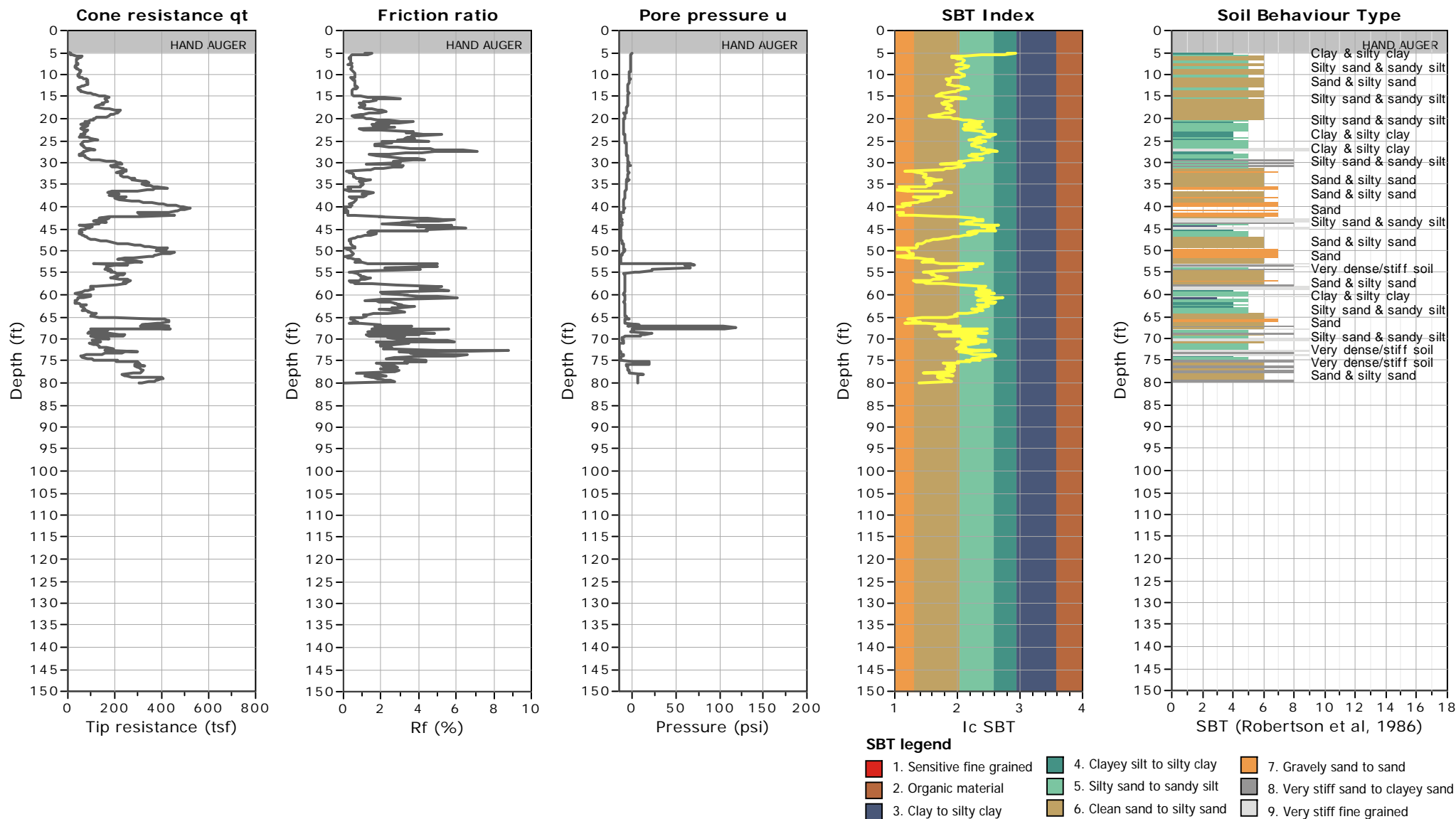


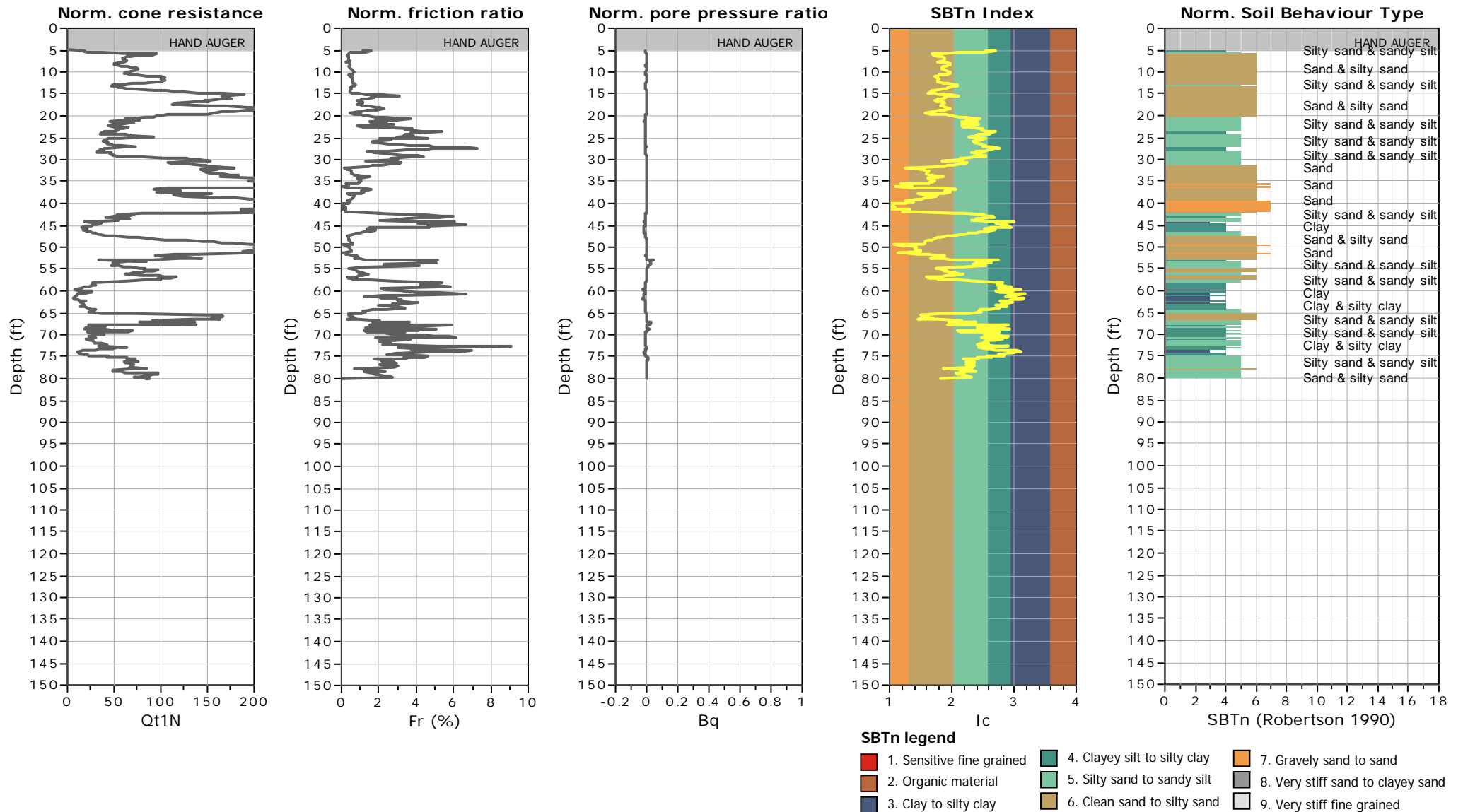
SBT - Bq plots (normalized)



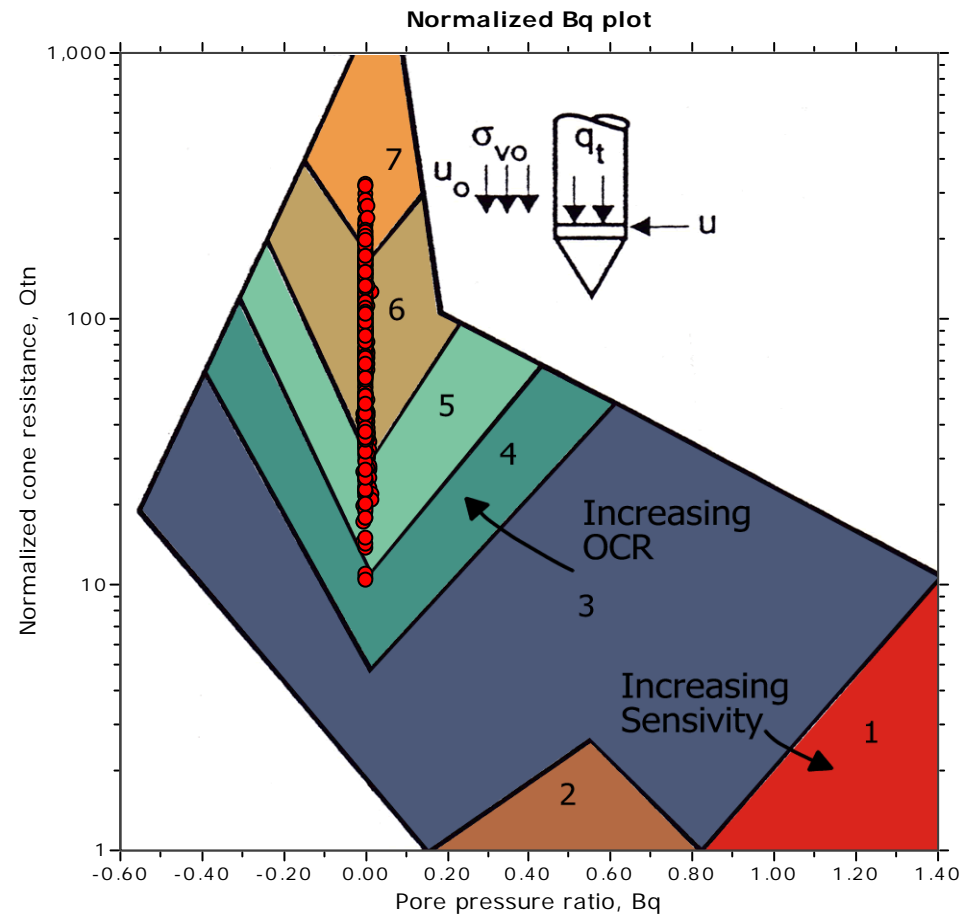
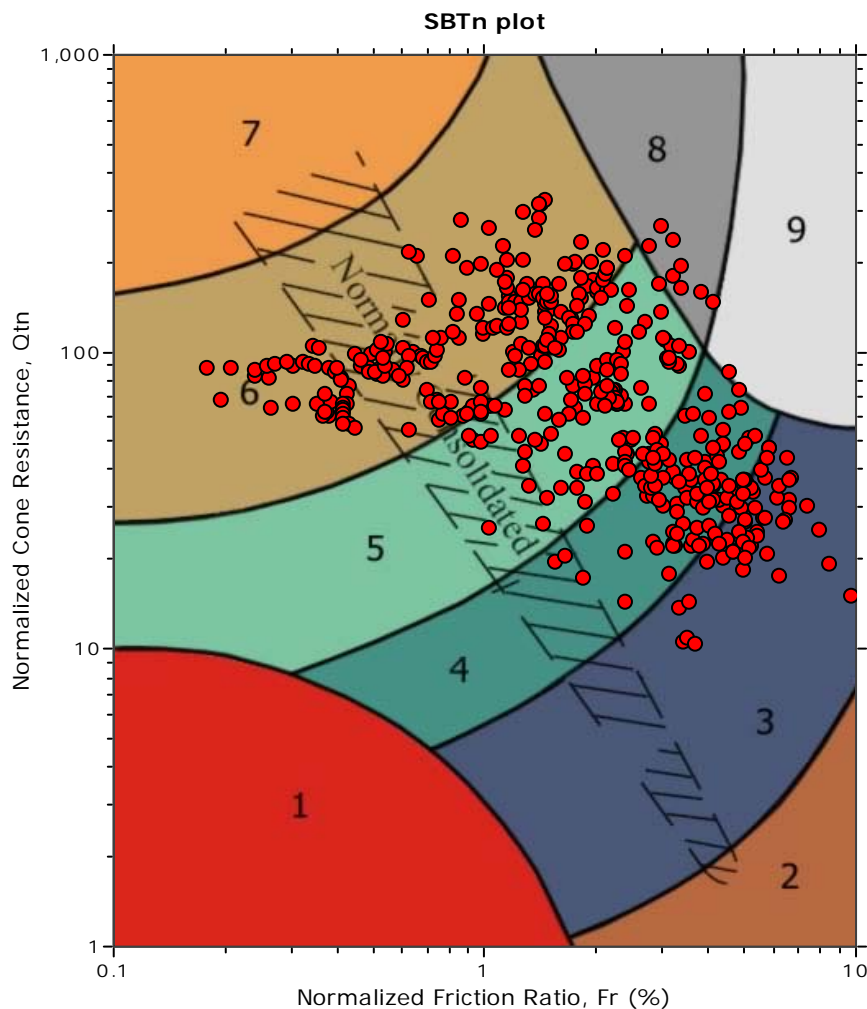
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



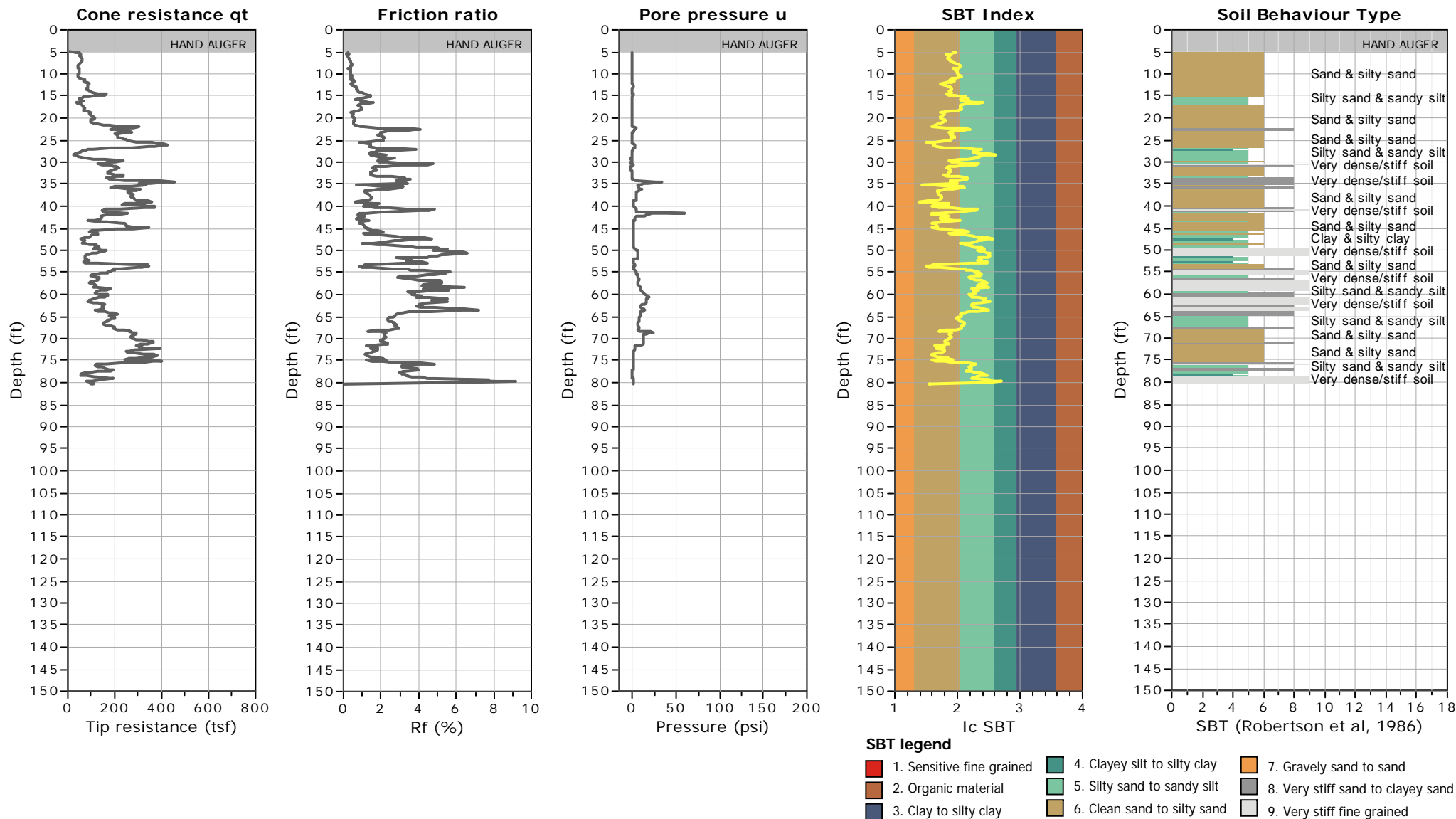


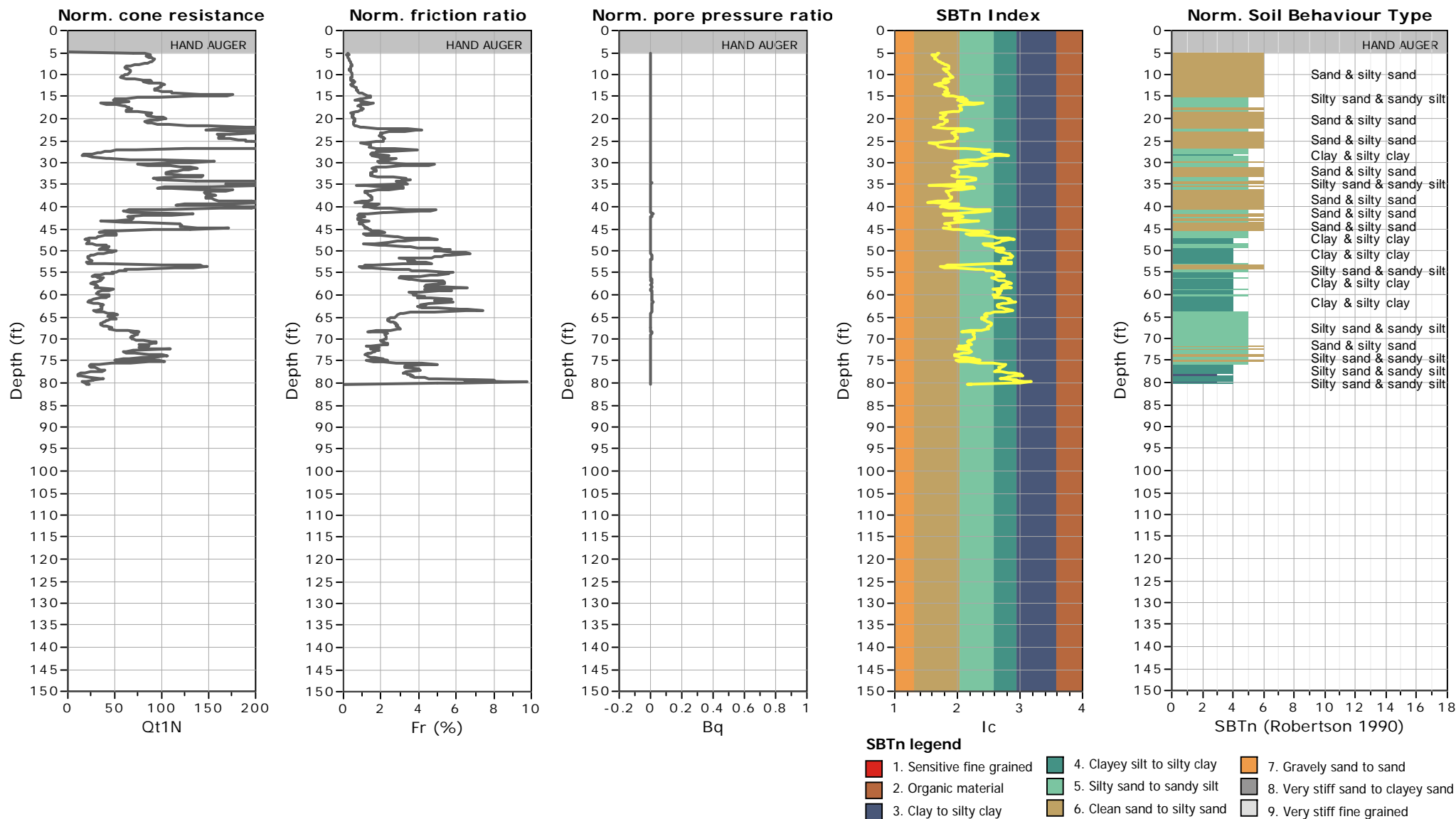
SBT - Bq plots (normalized)



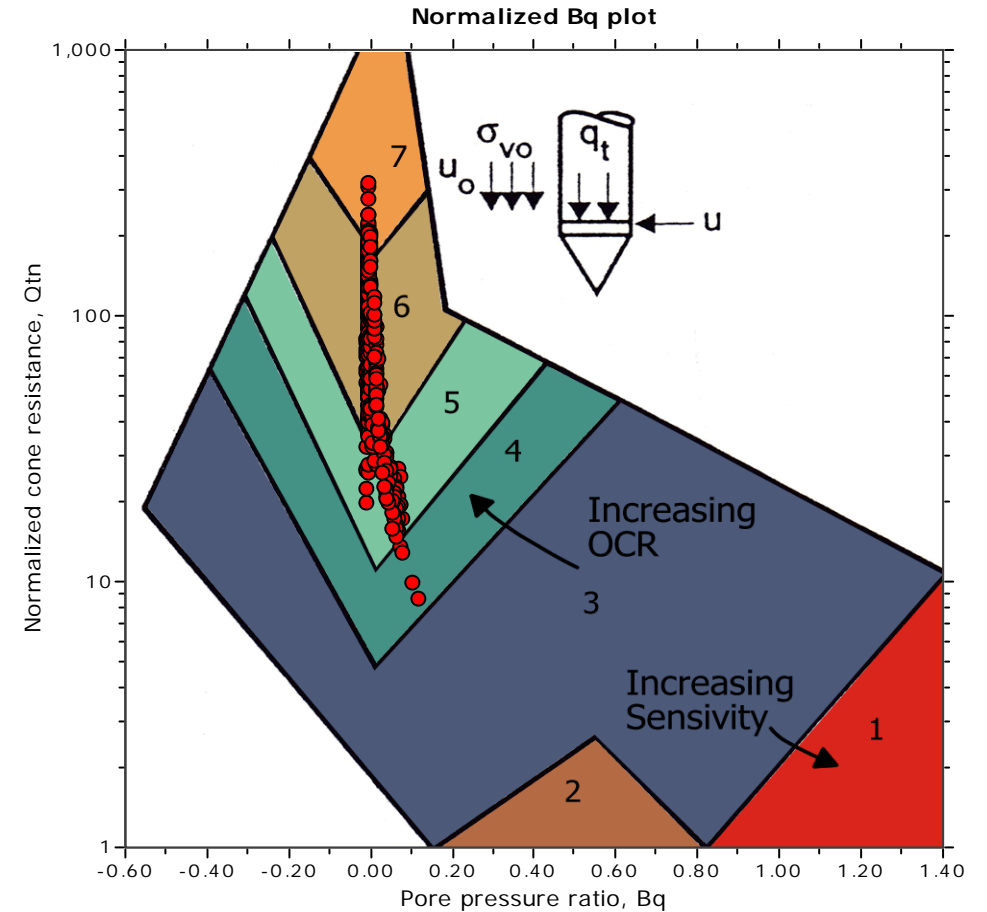
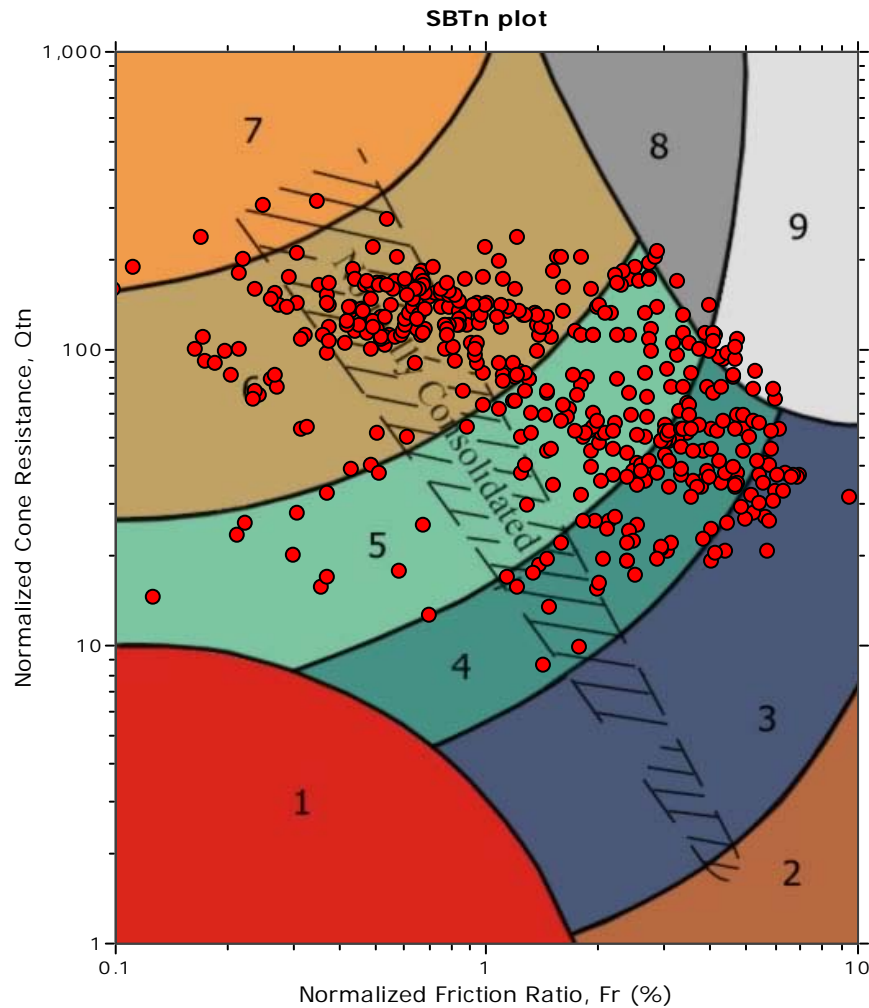
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



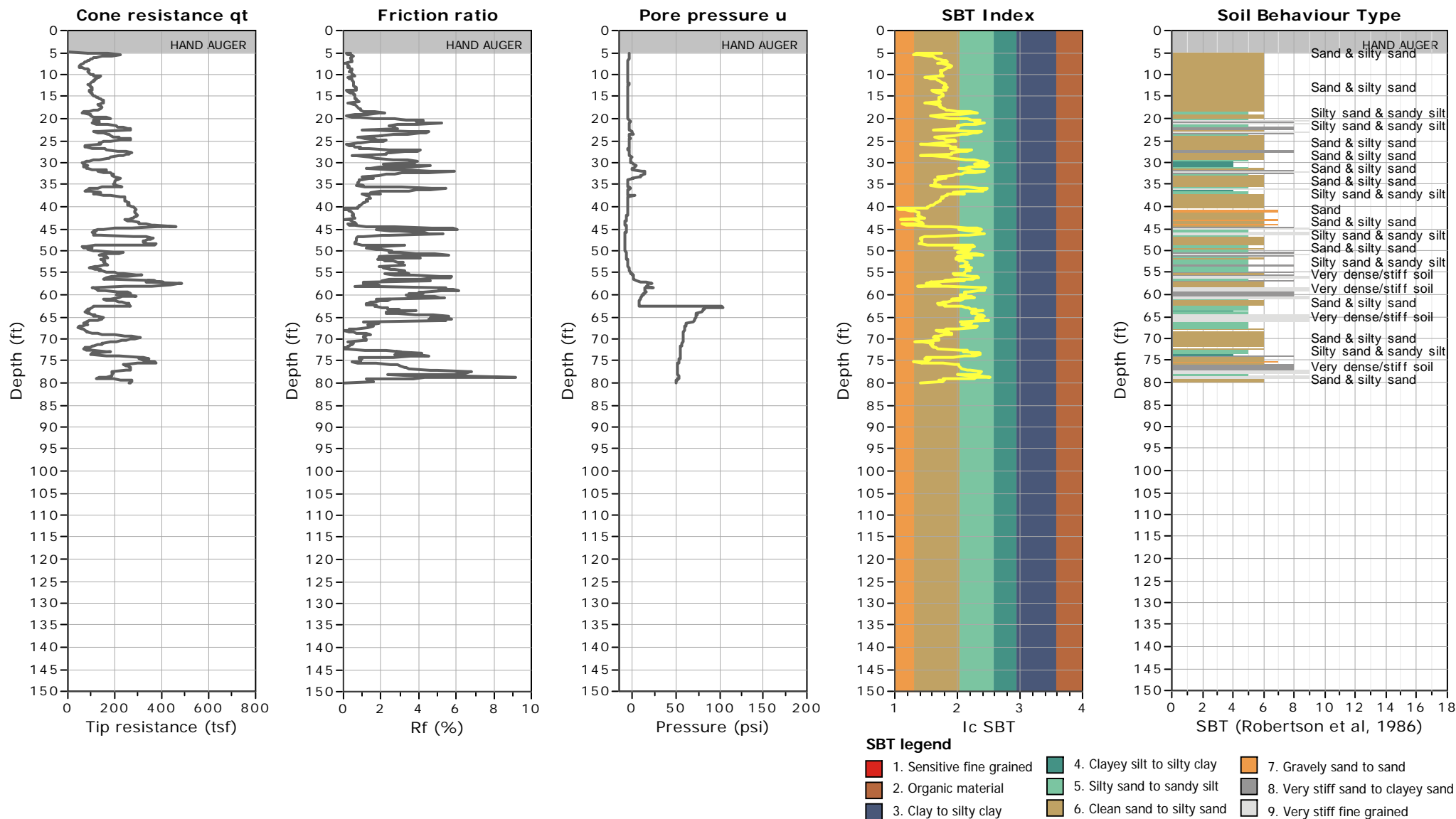


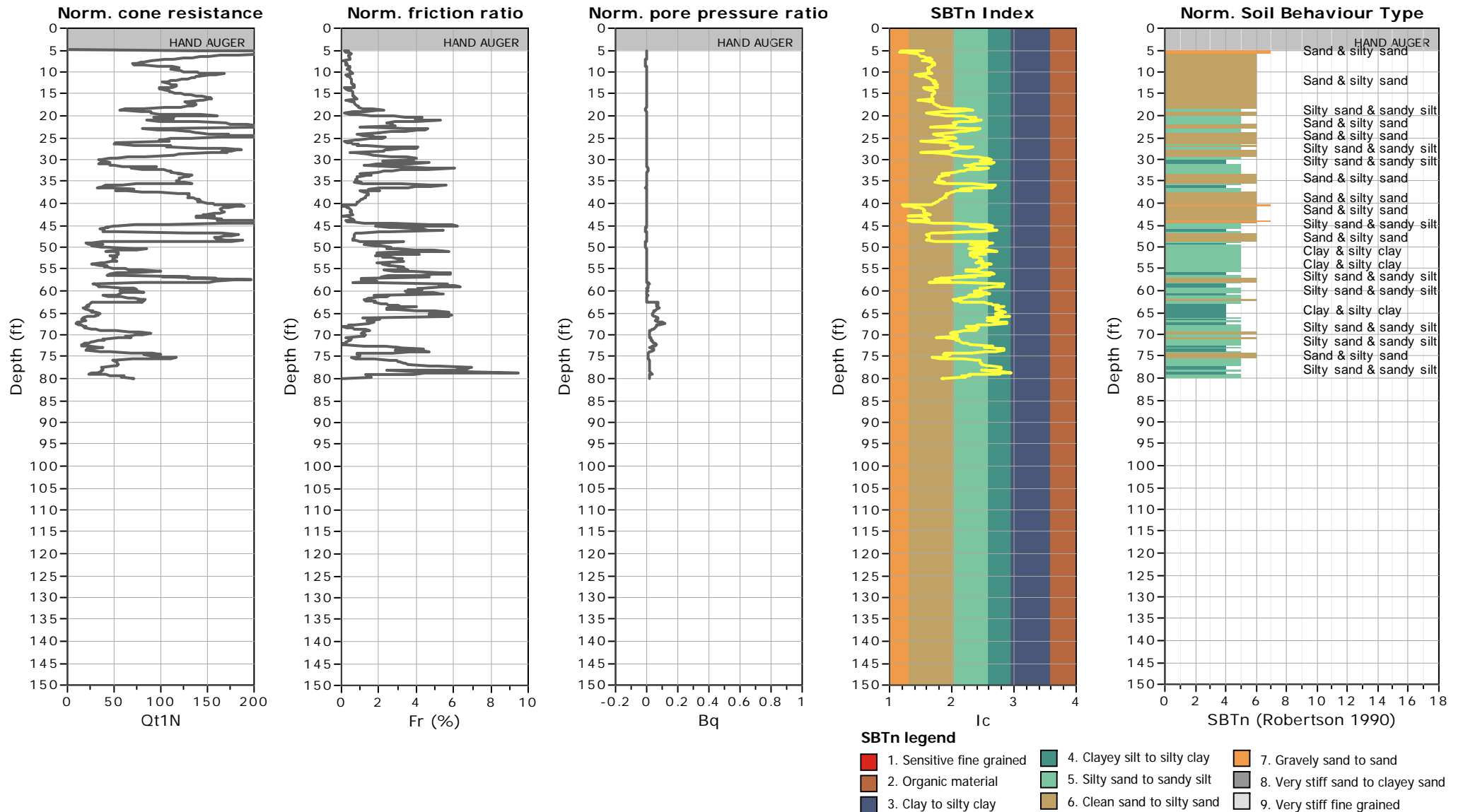
SBT - Bq plots (normalized)



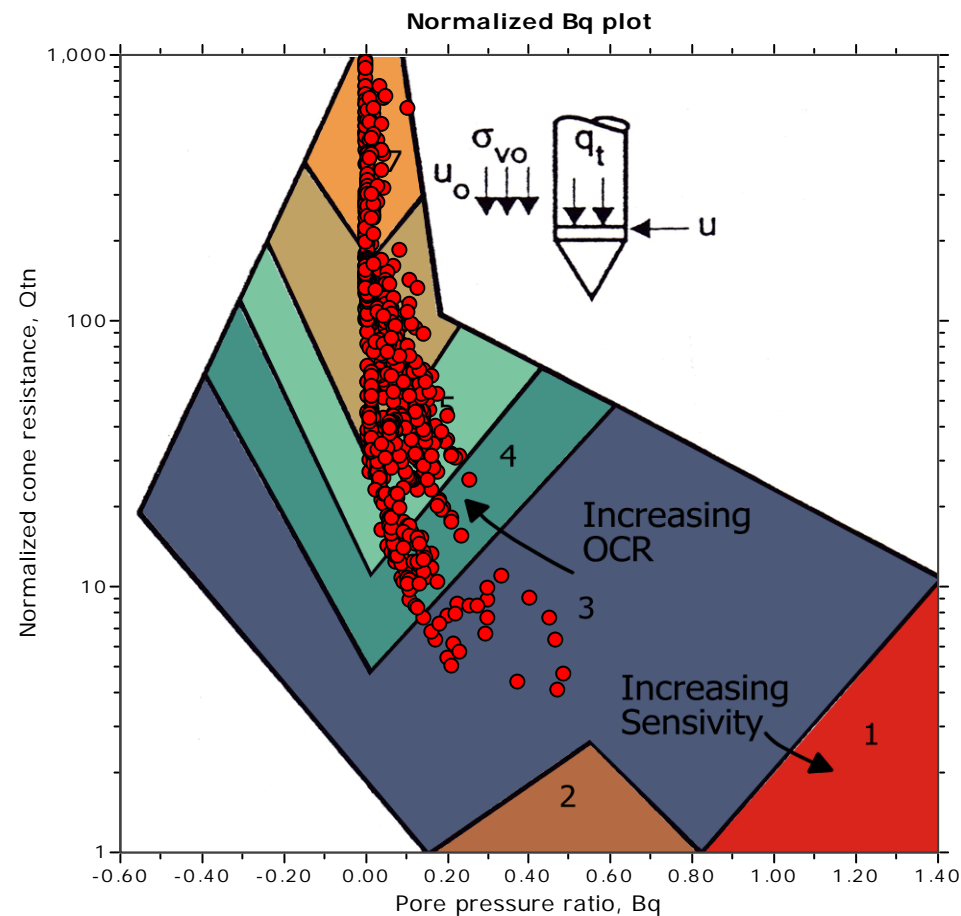
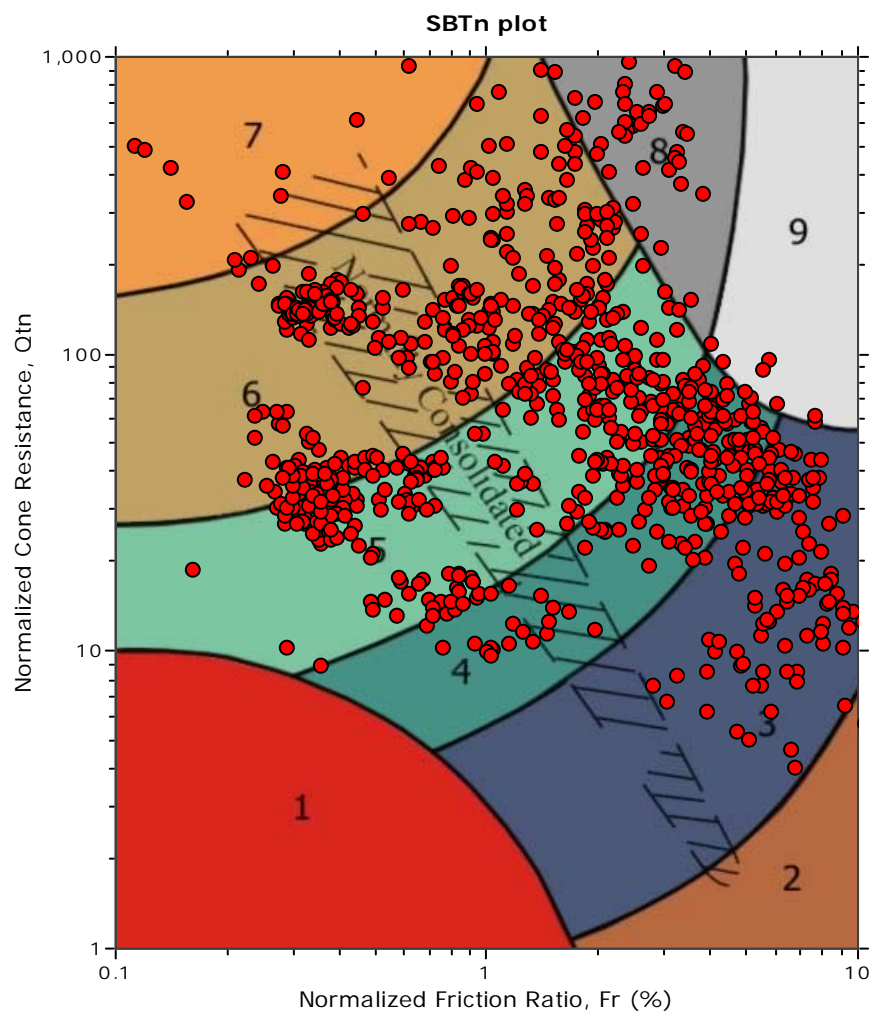
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



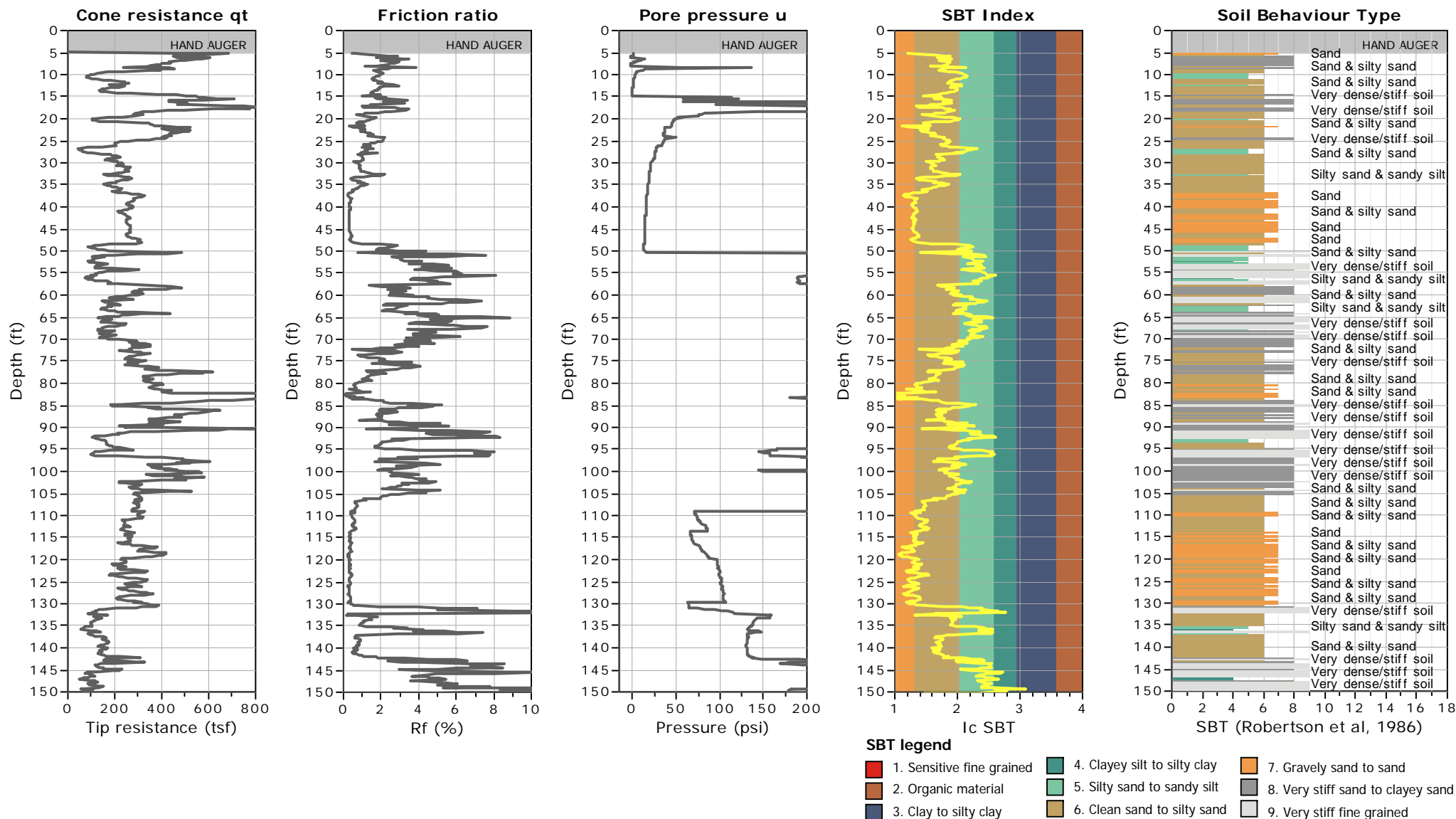


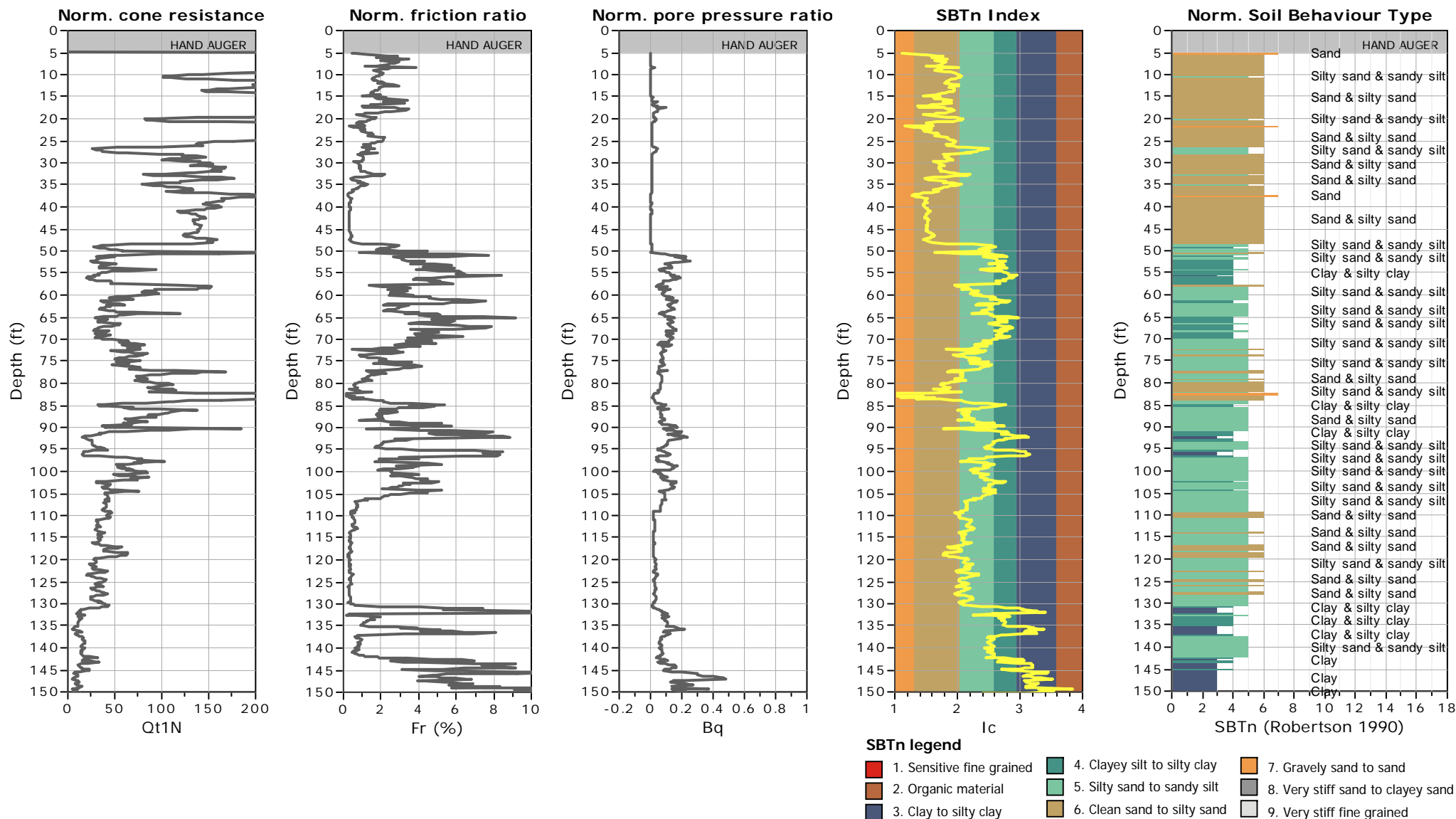
SBT - Bq plots (normalized)



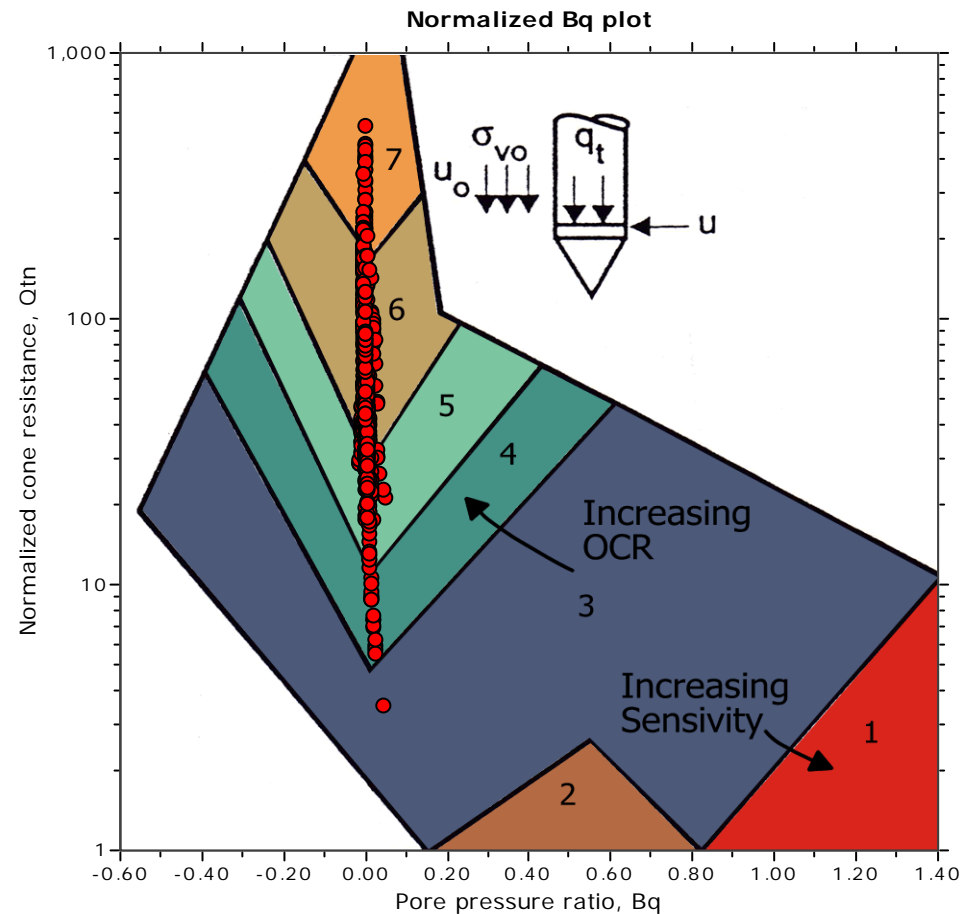
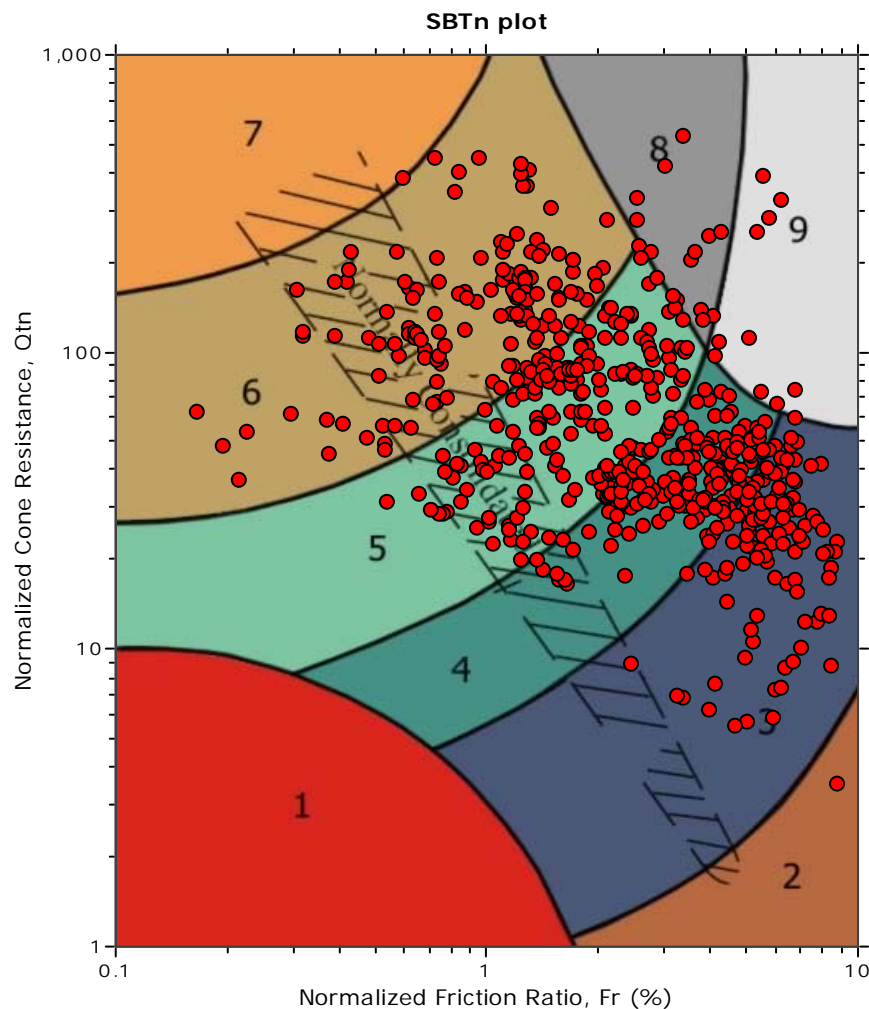
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



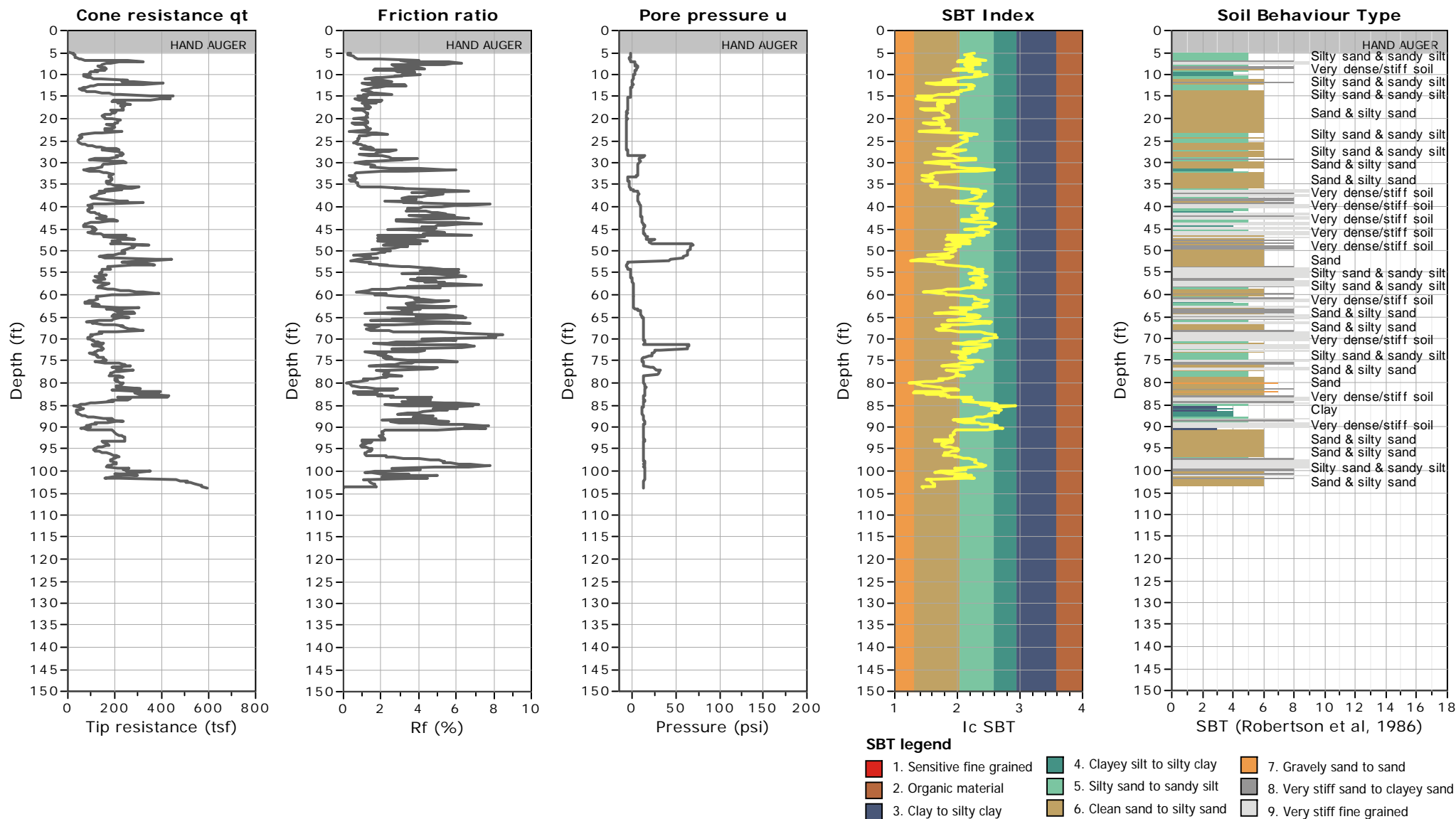


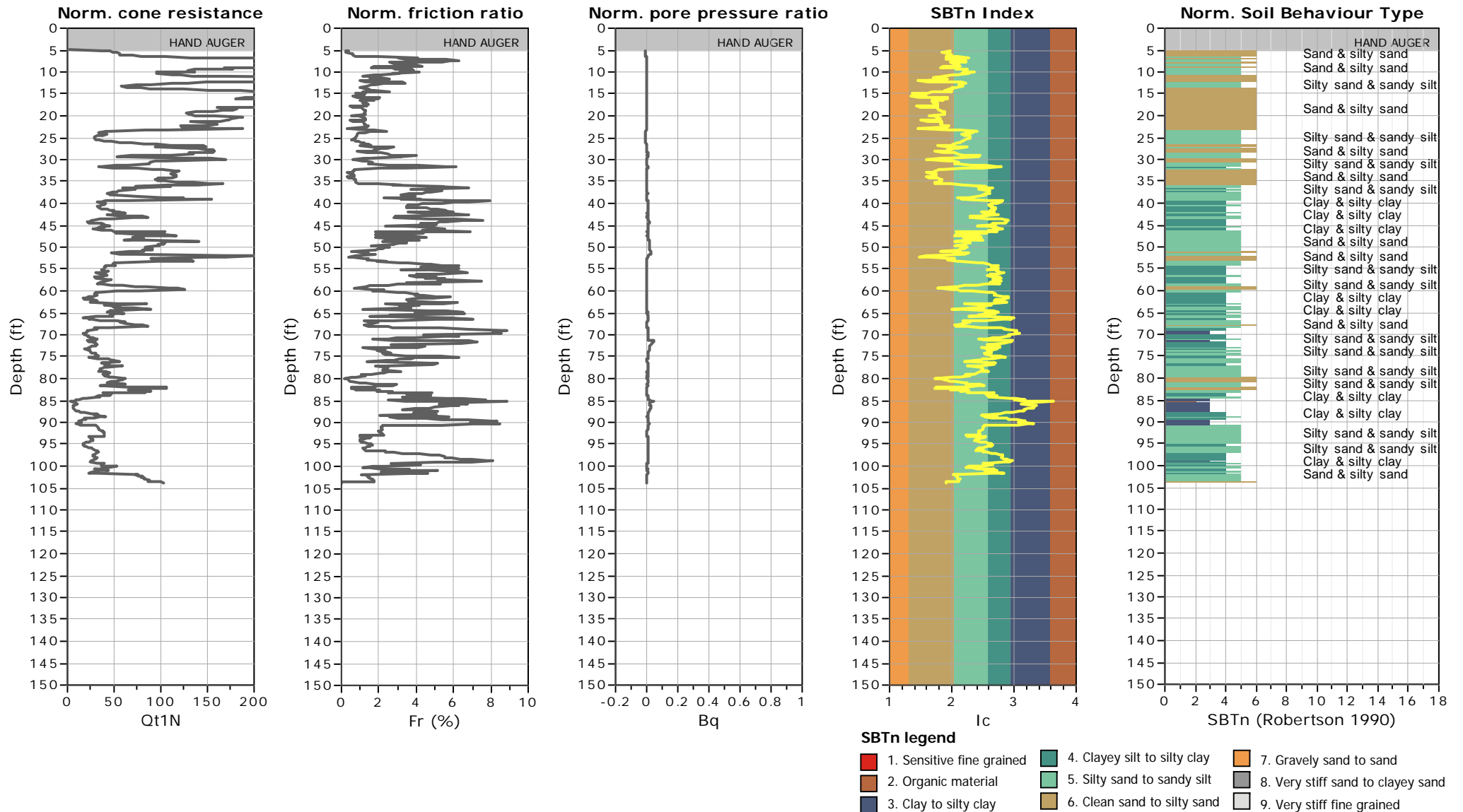
SBT - Bq plots (normalized)



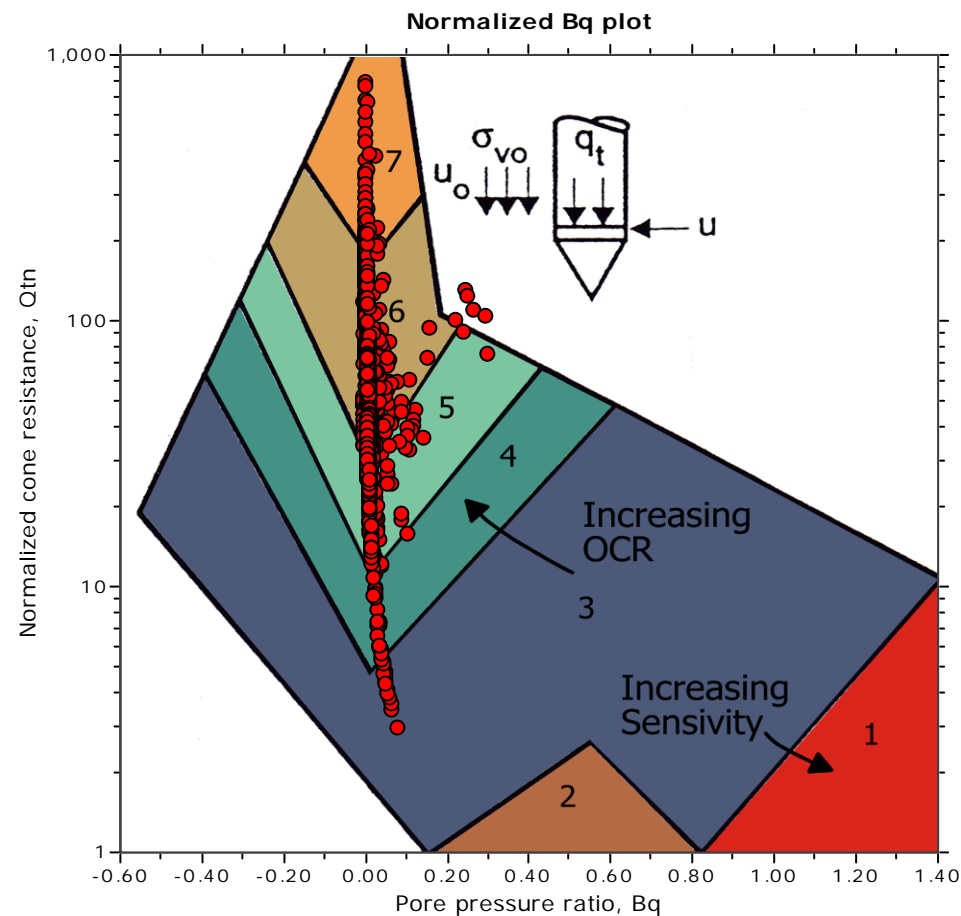
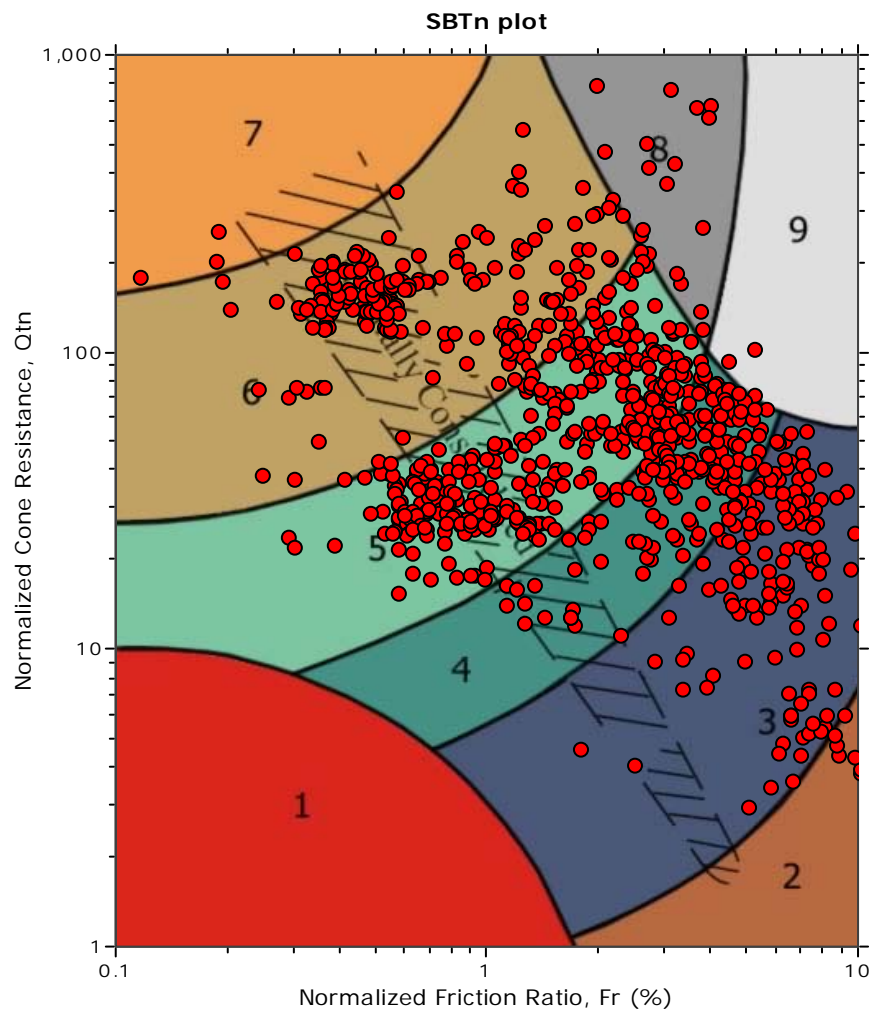
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



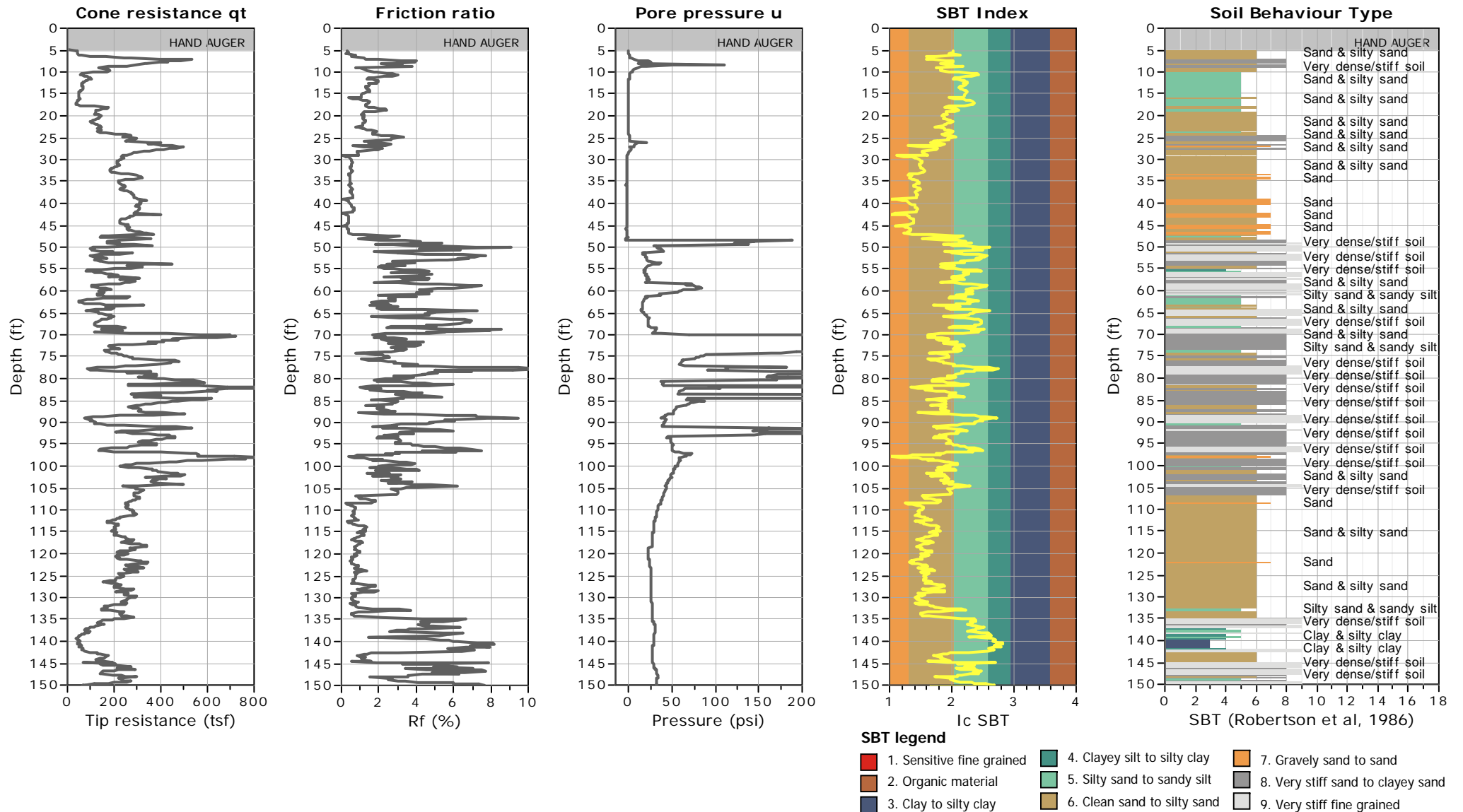


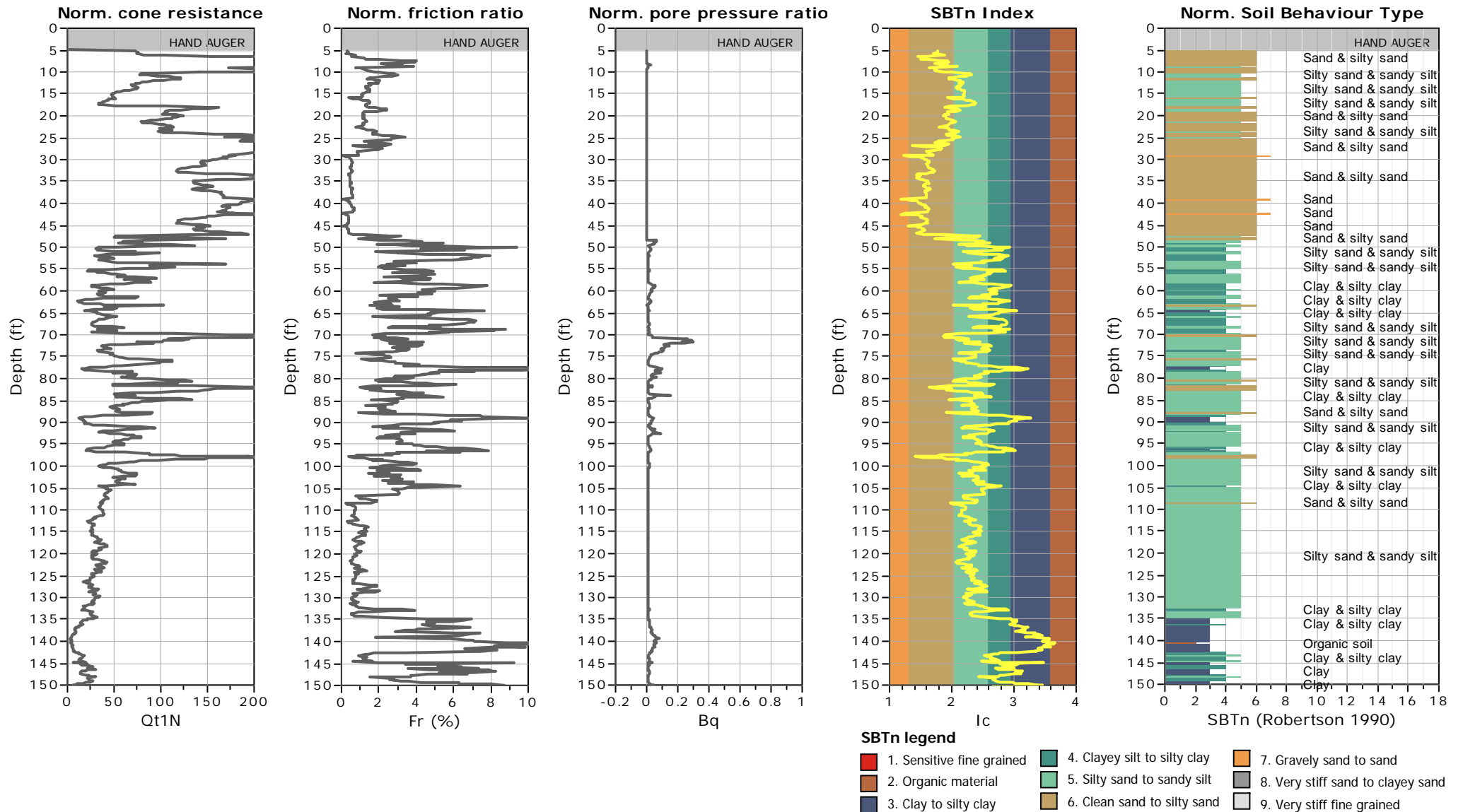
SBT - Bq plots (normalized)



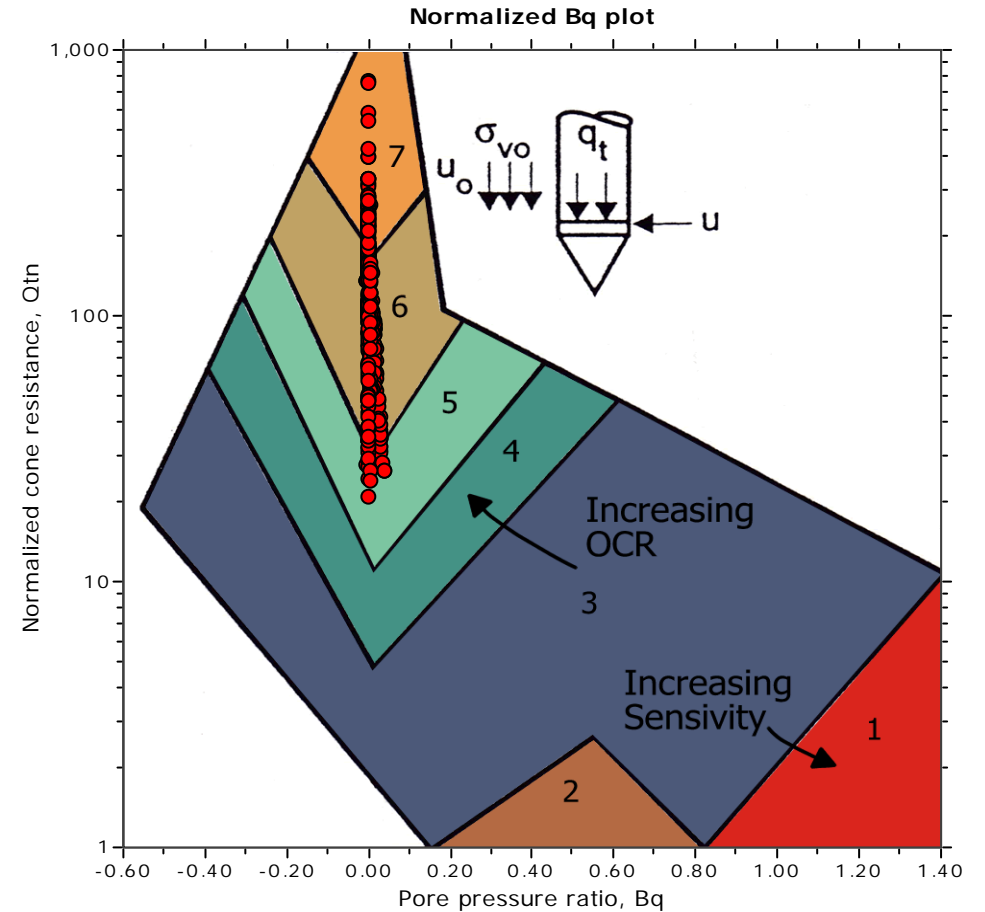
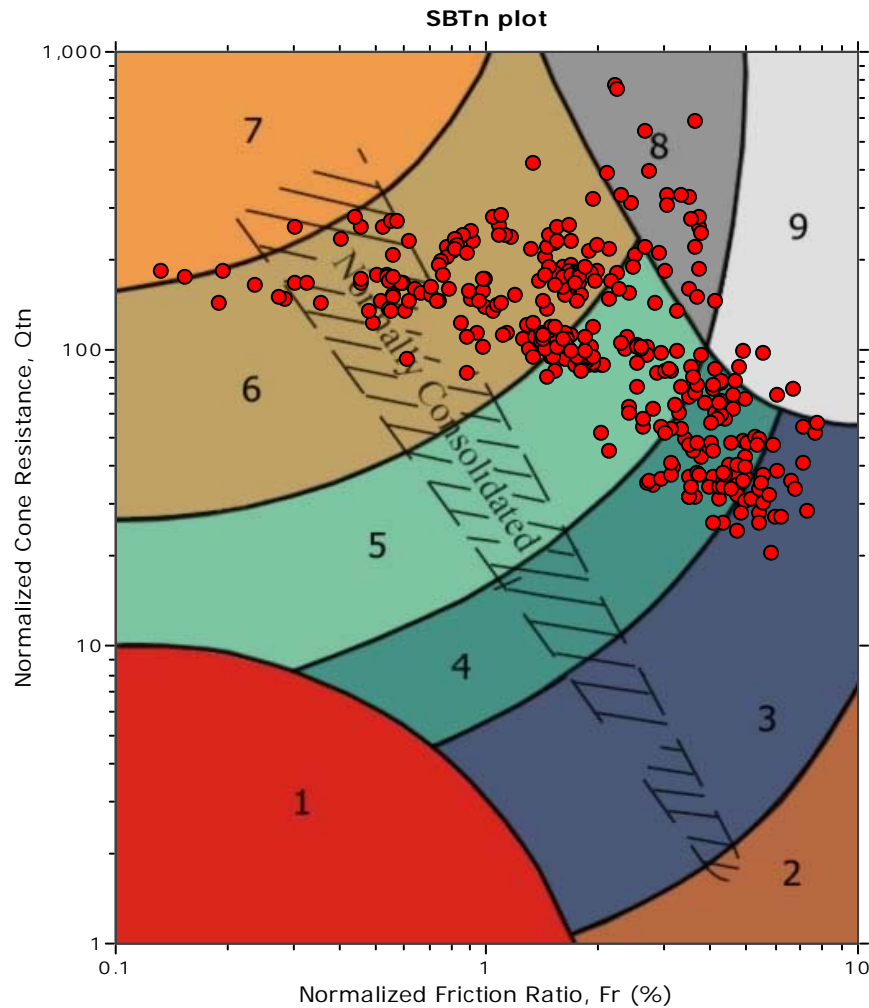
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



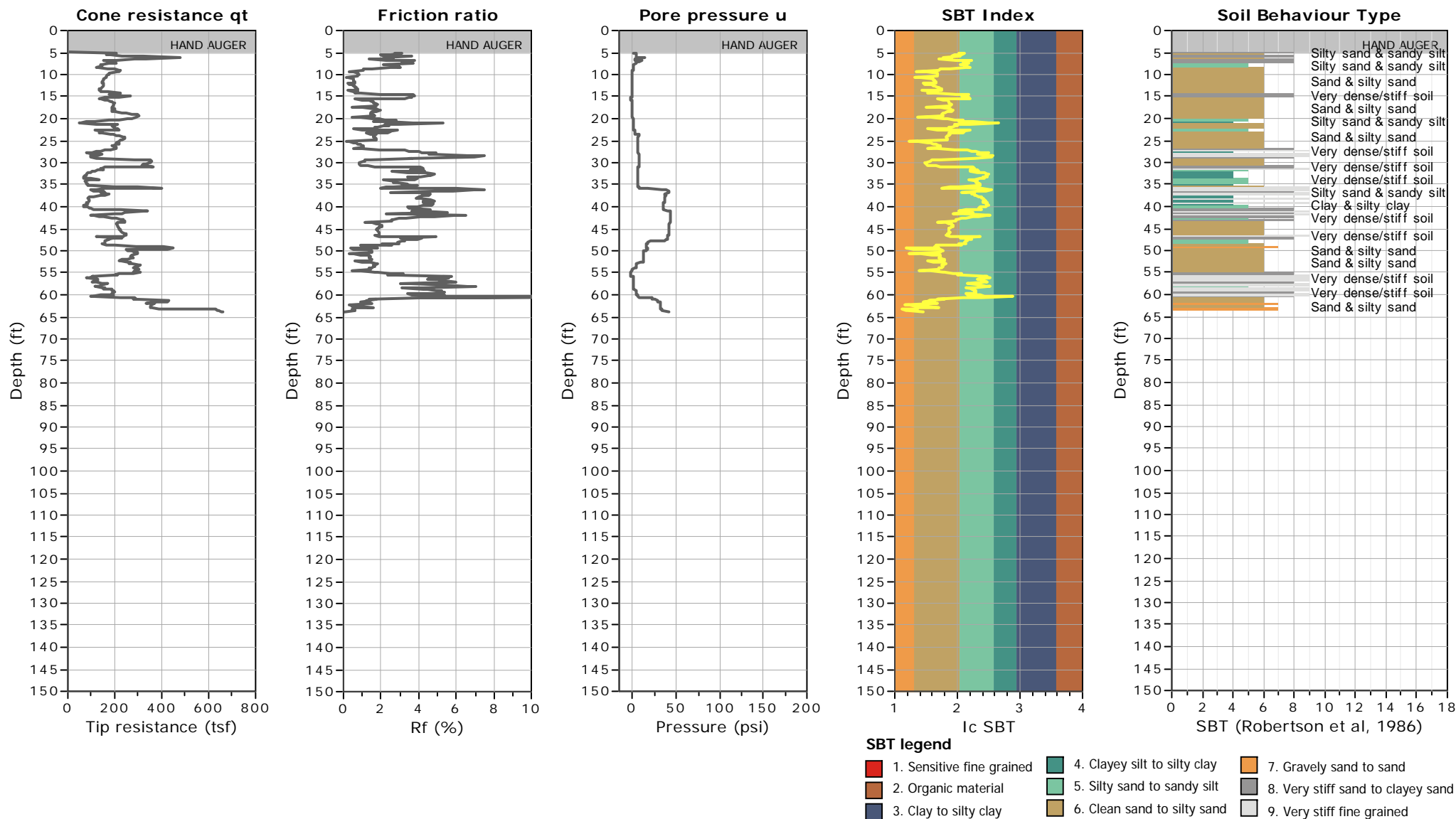


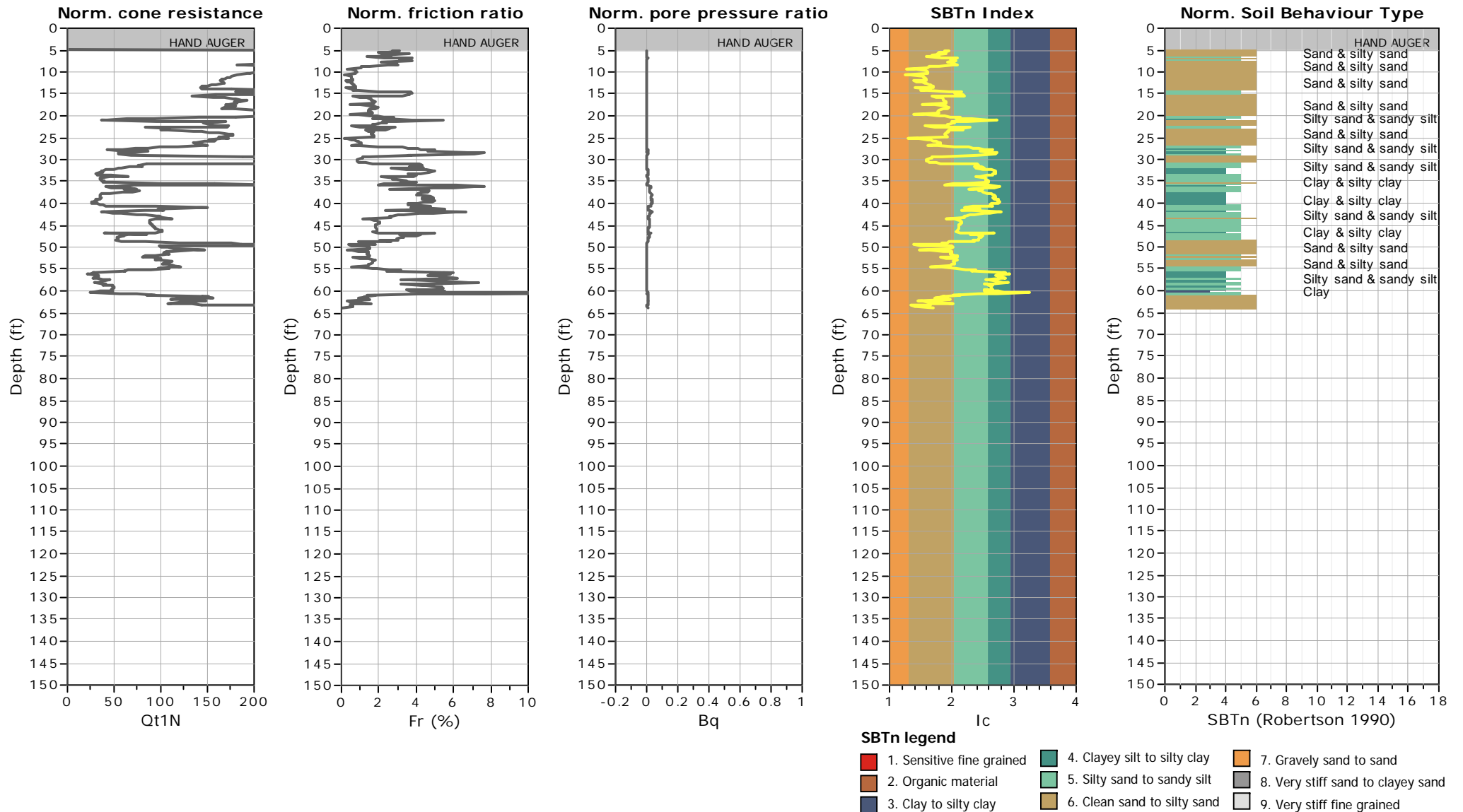
SBT - Bq plots (normalized)



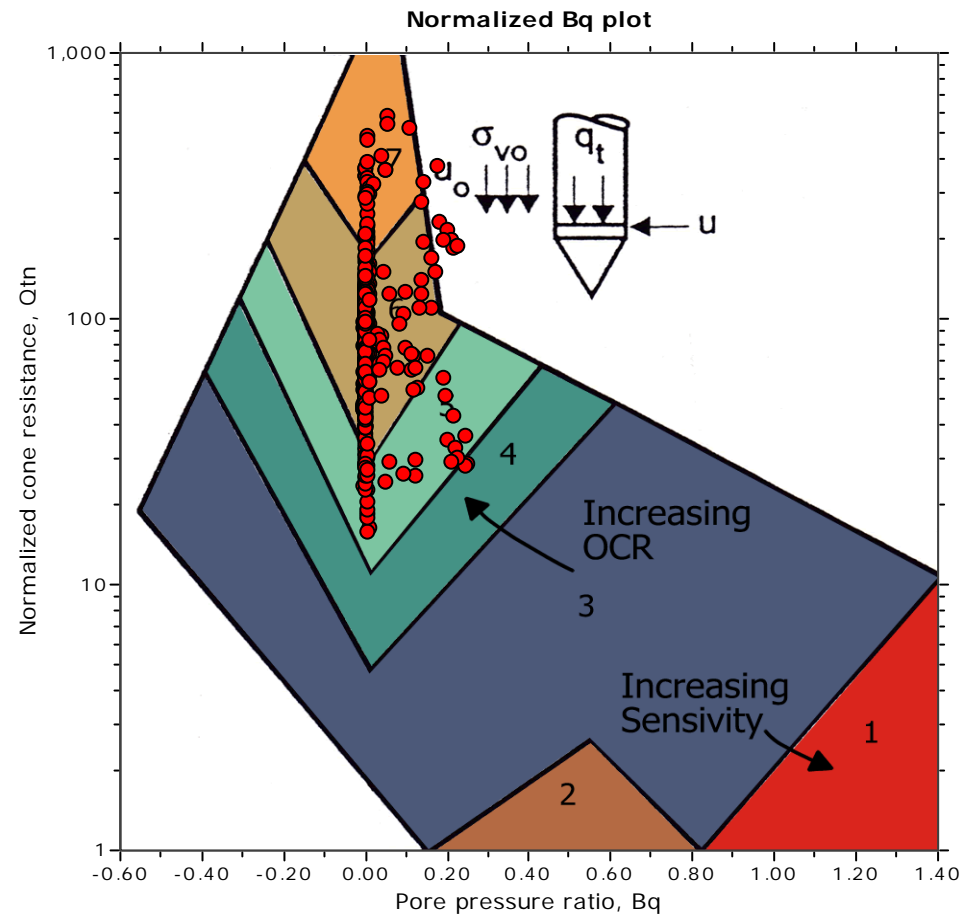
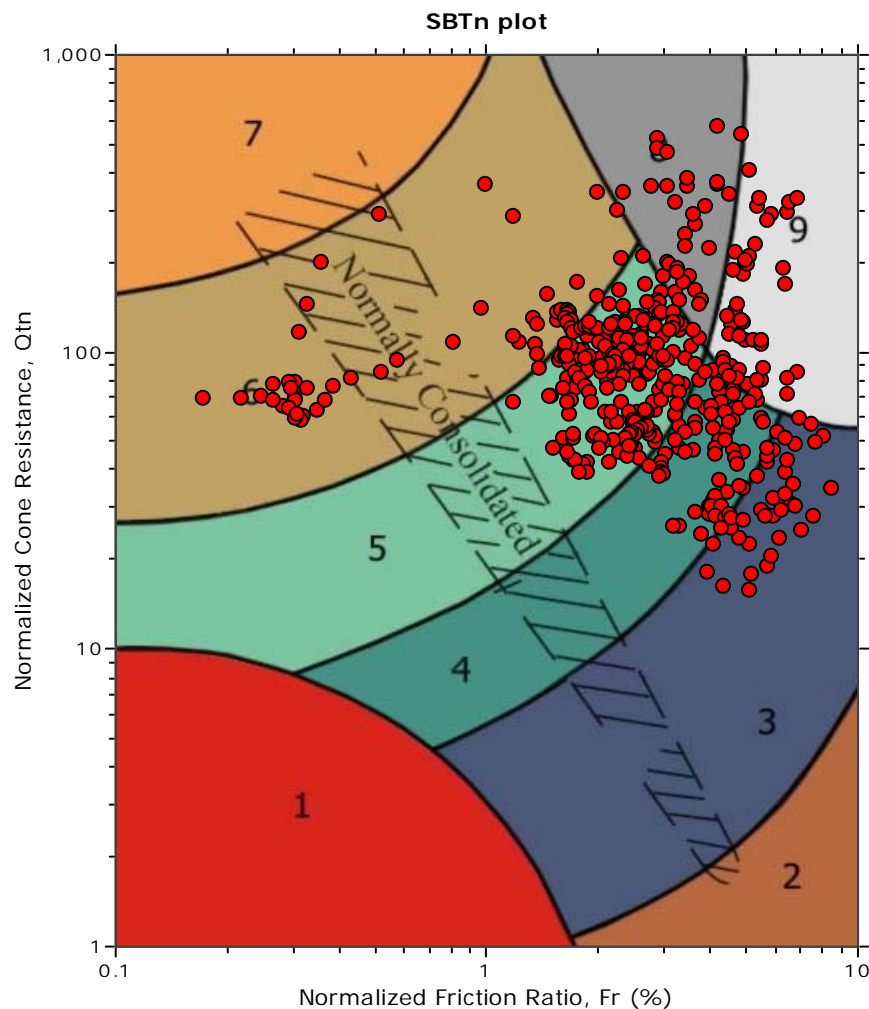
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



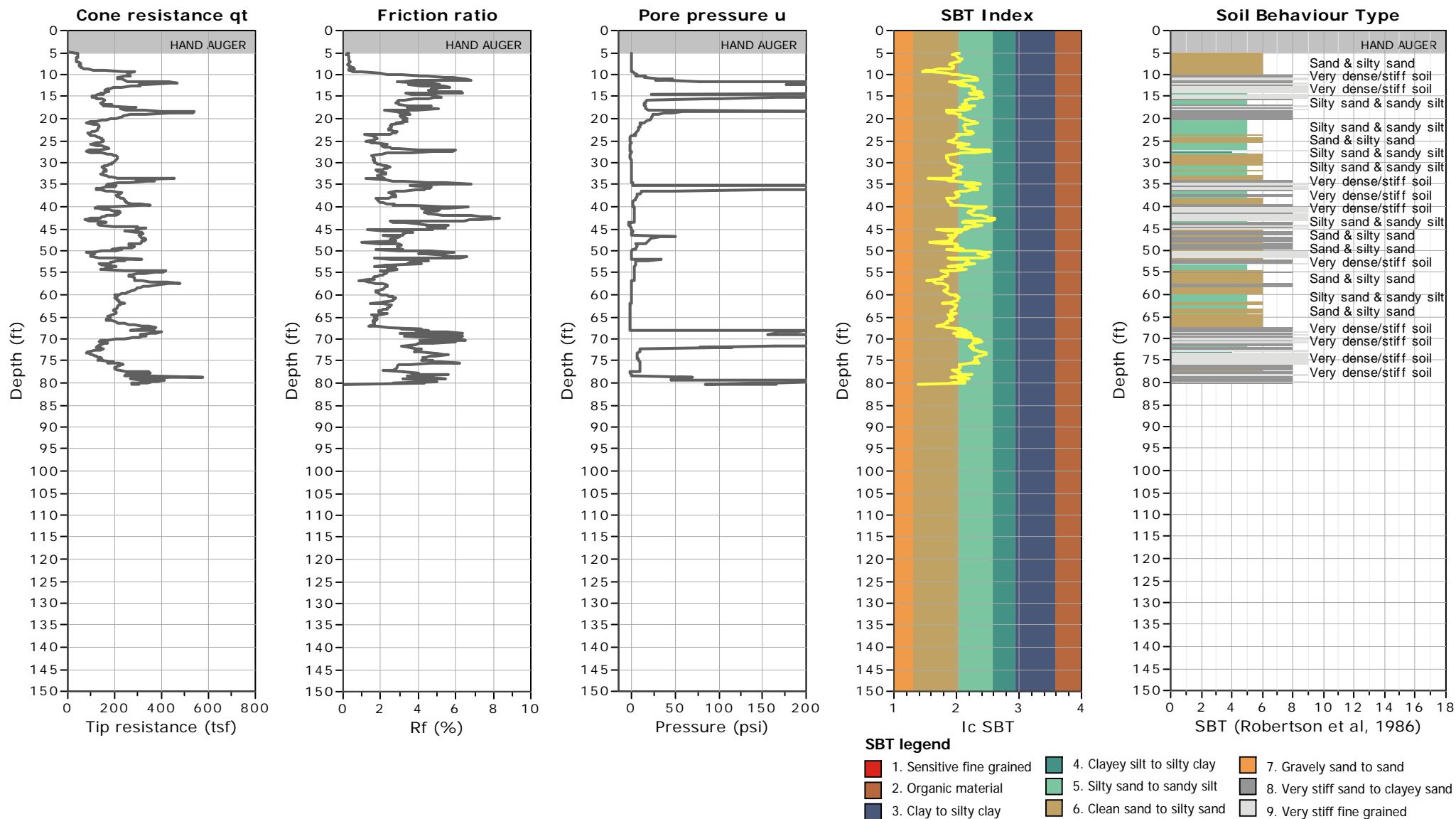


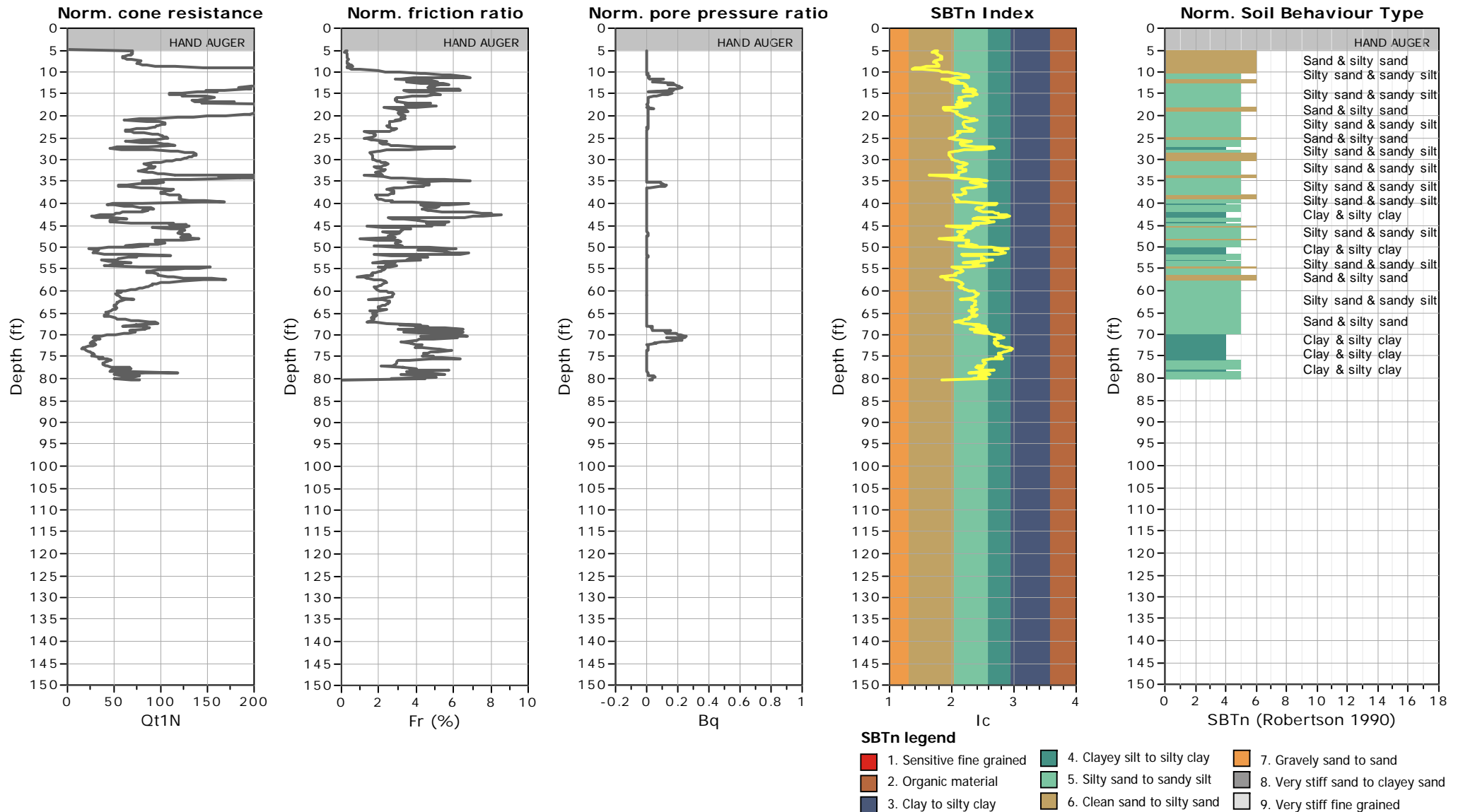
SBT - Bq plots (normalized)



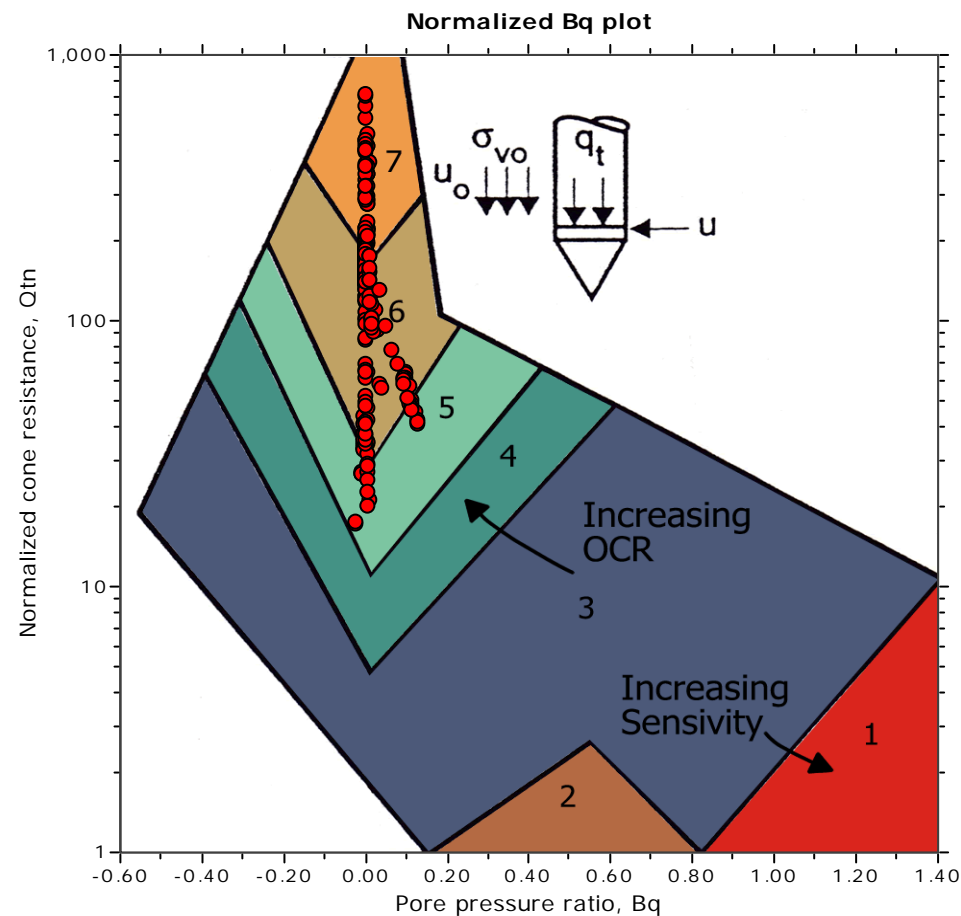
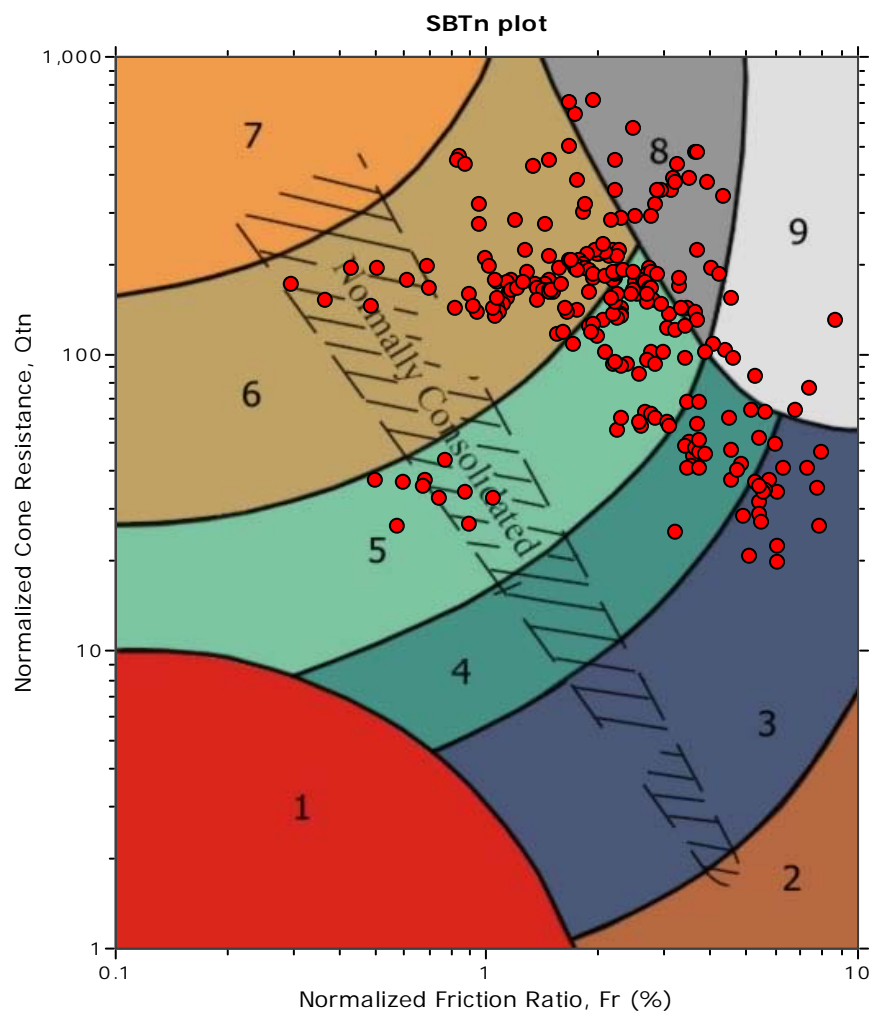
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
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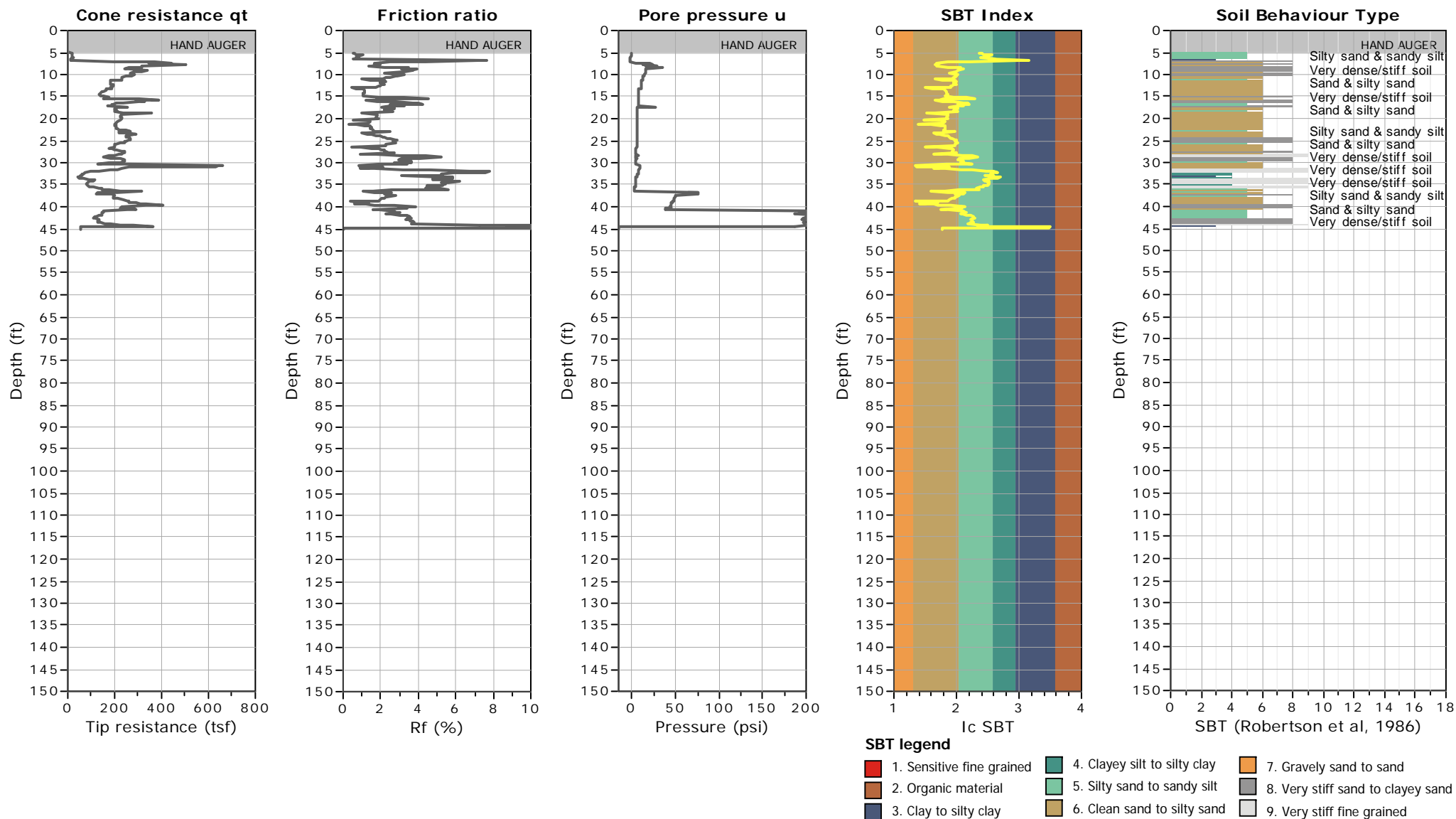


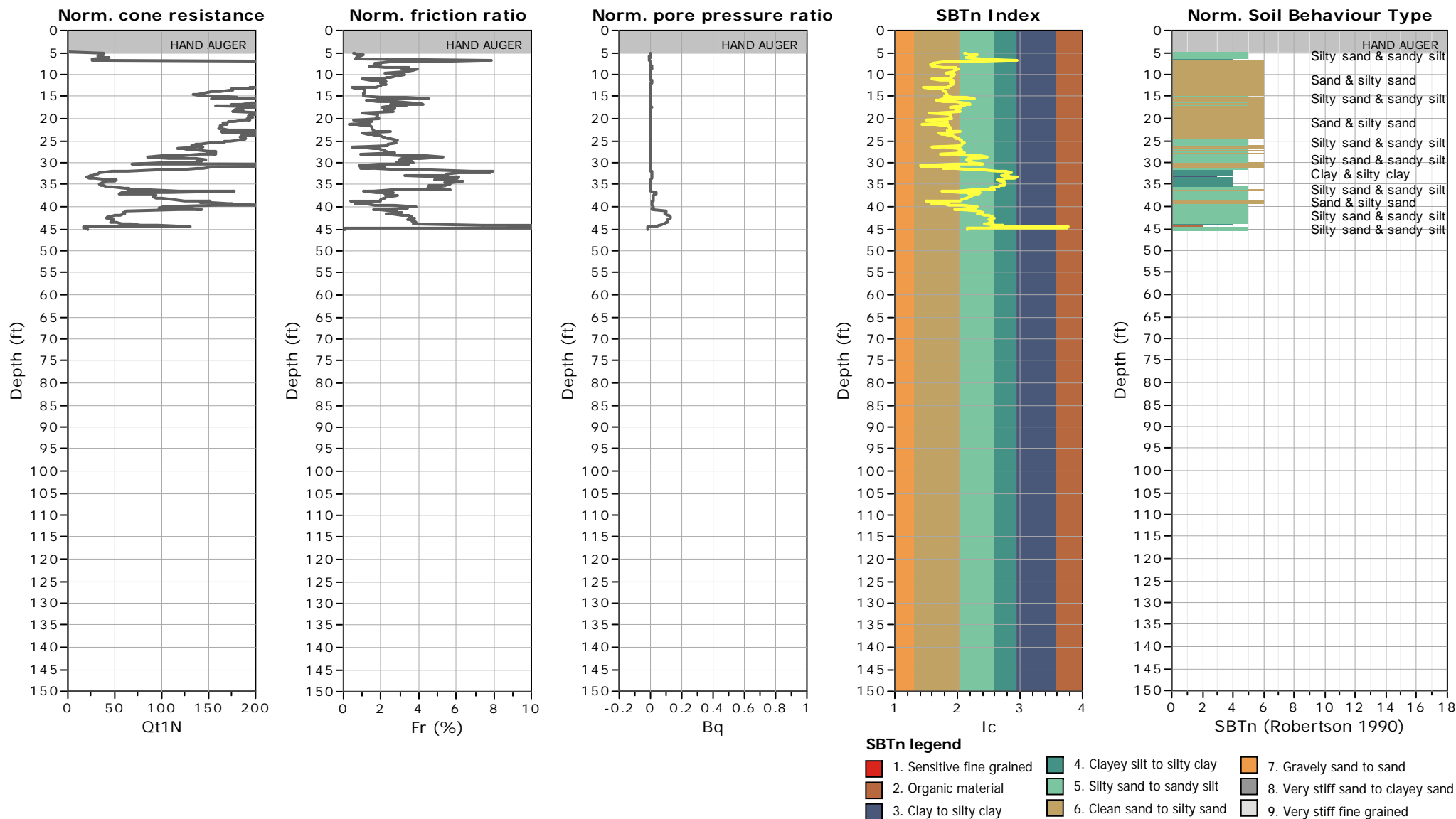
SBT - Bq plots (normalized)



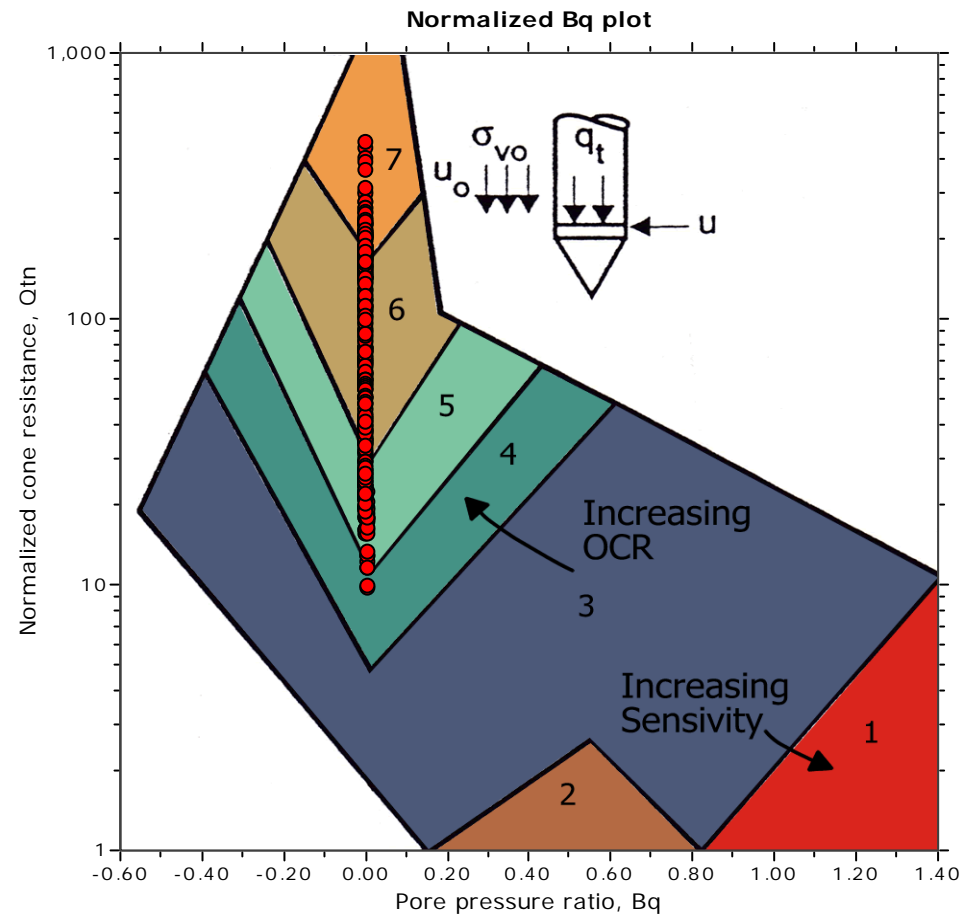
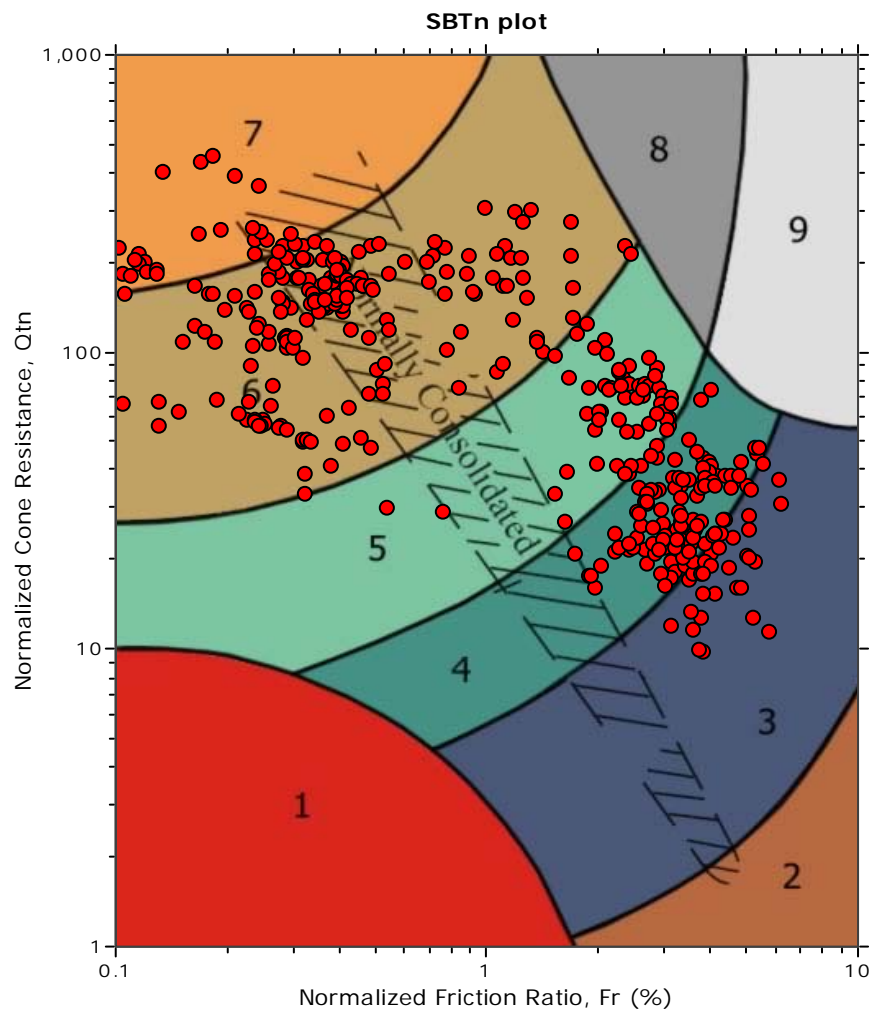
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



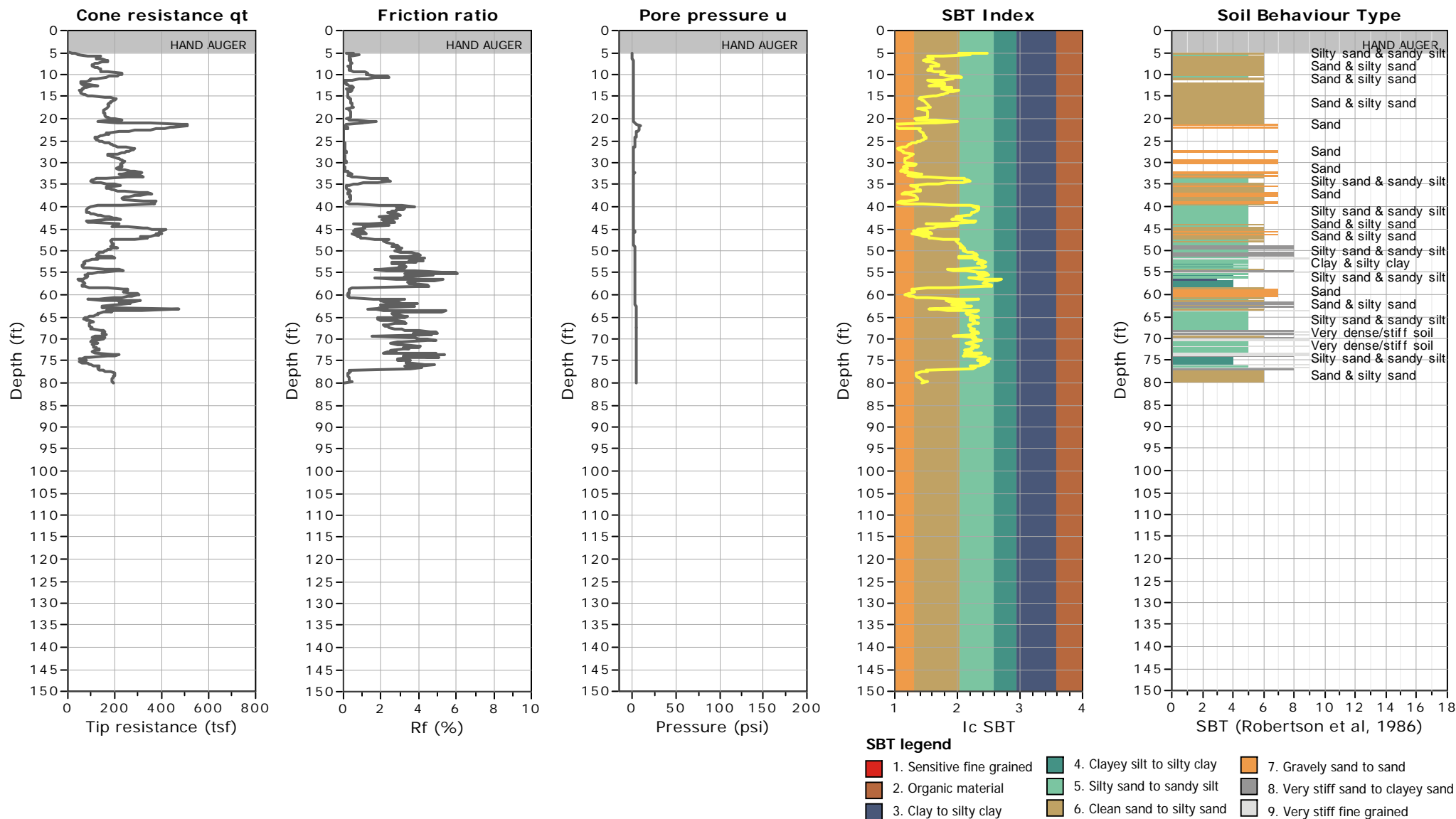


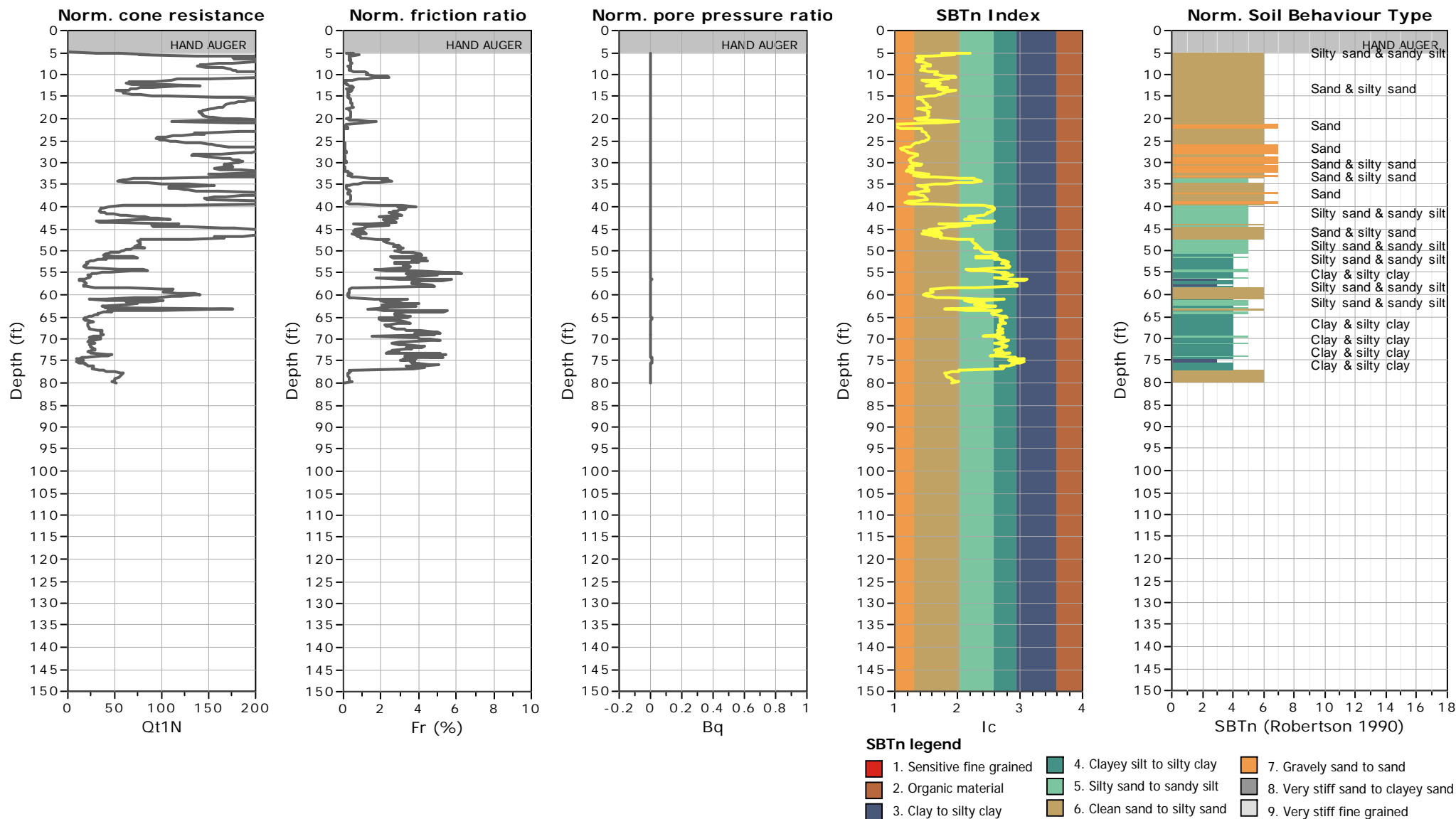
SBT - Bq plots (normalized)



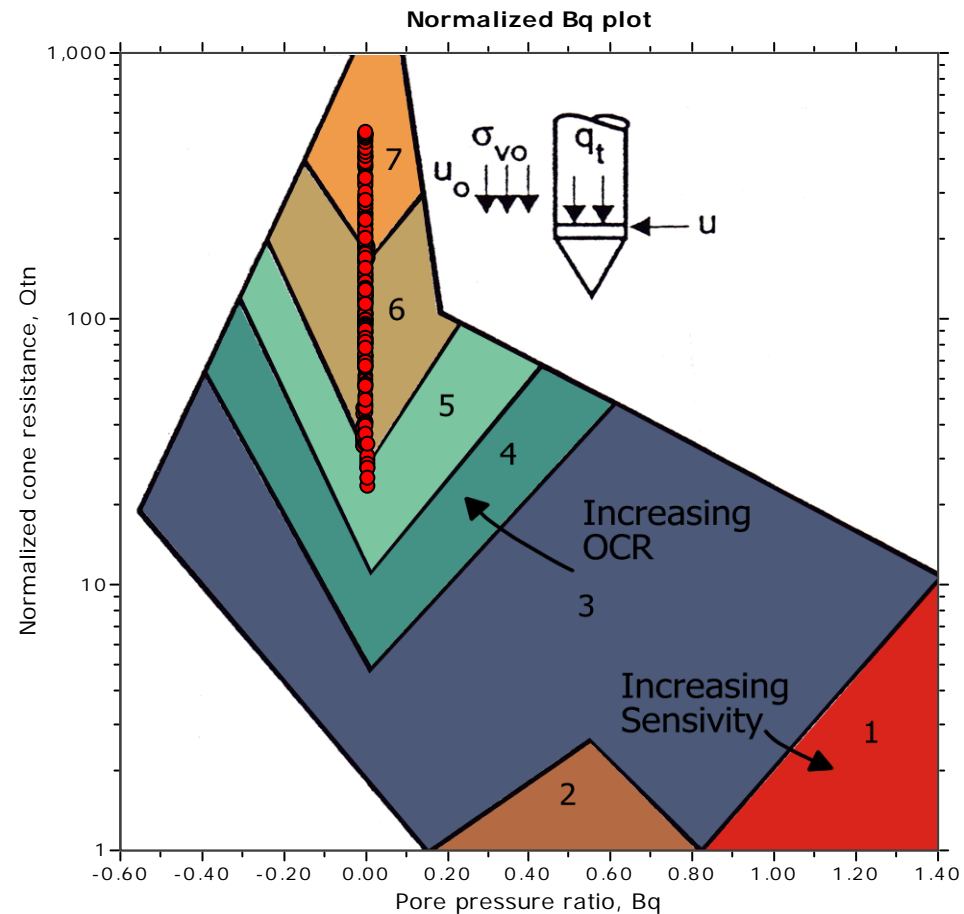
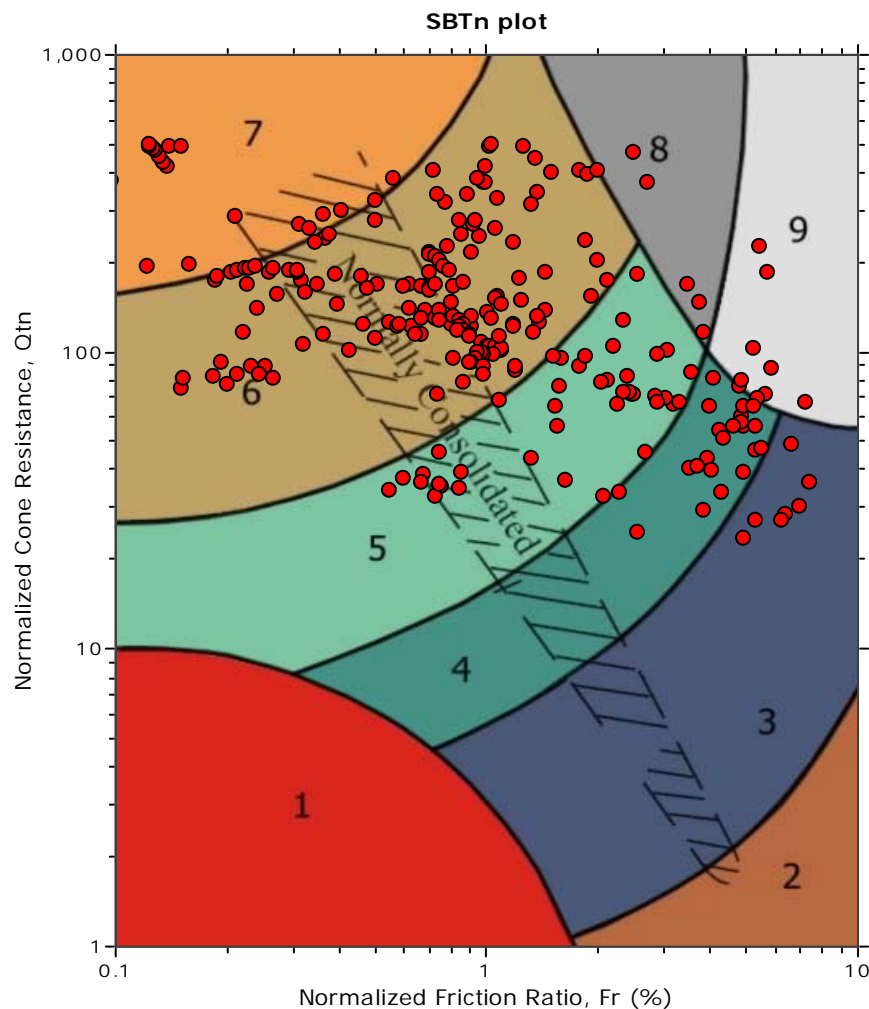
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



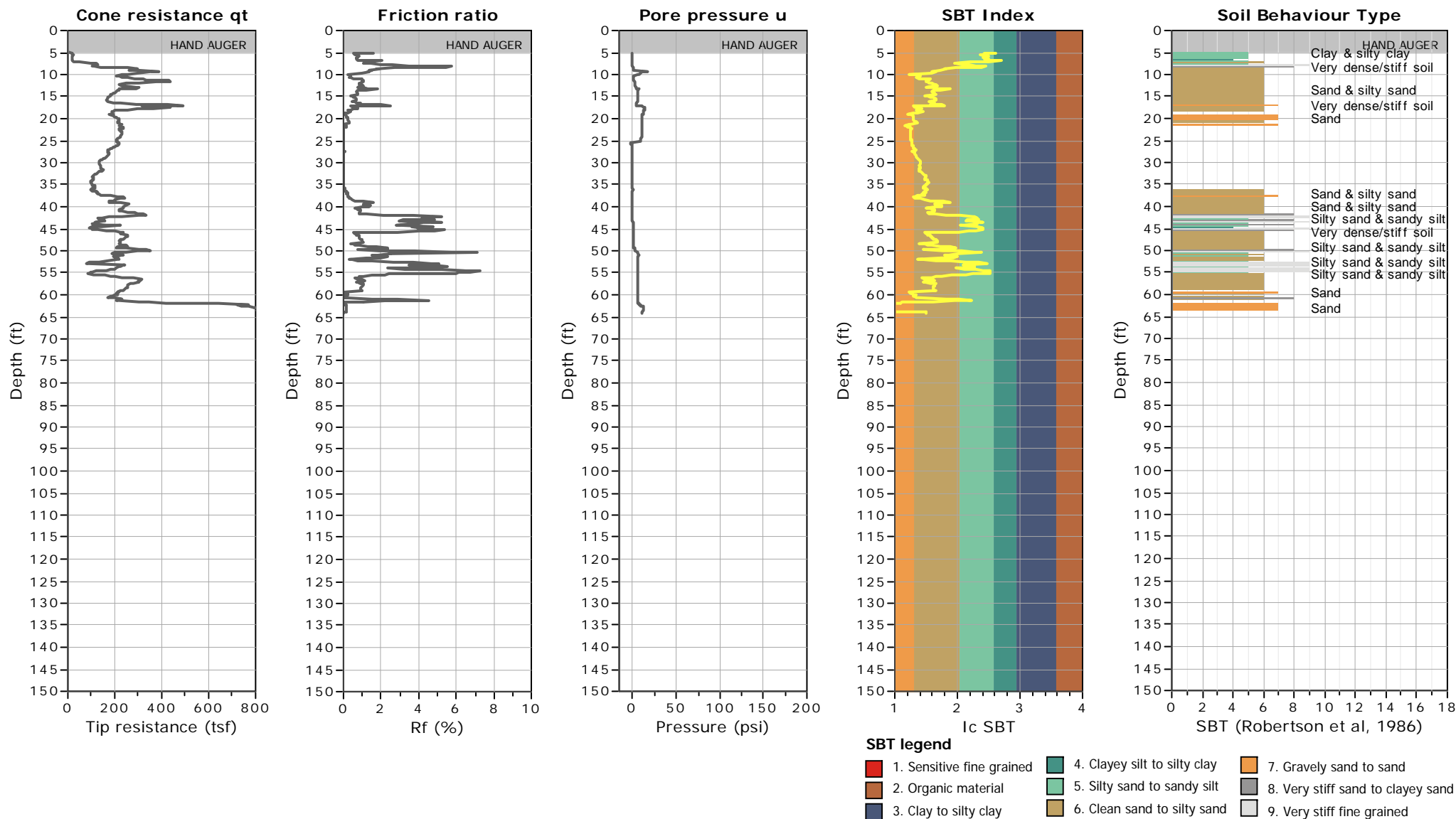


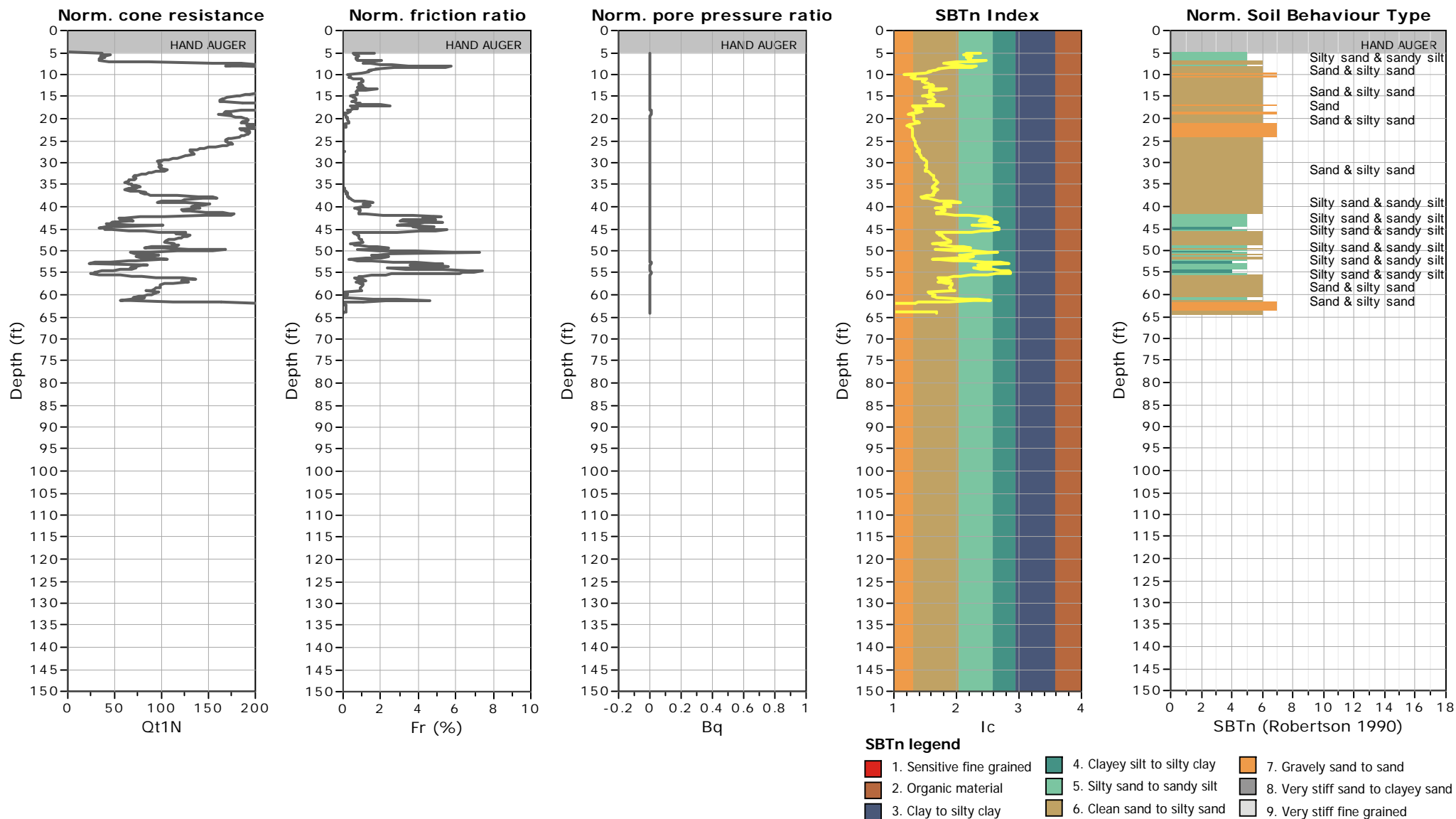
SBT - Bq plots (normalized)



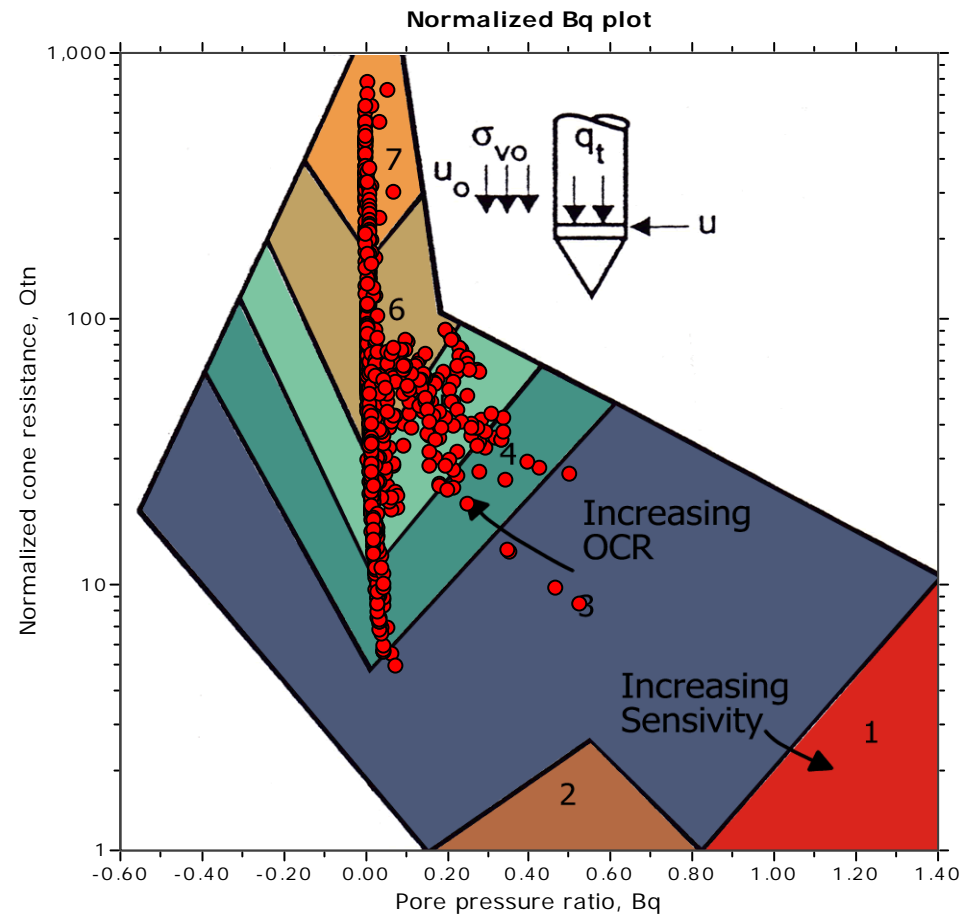
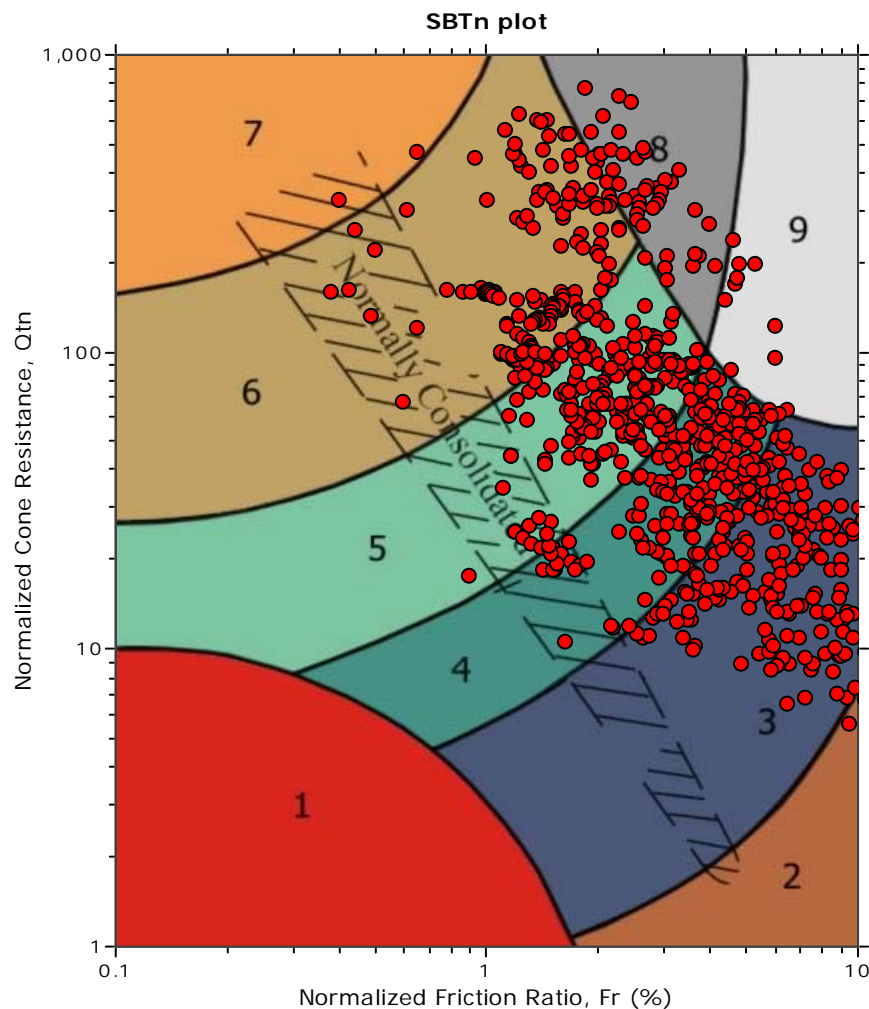
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



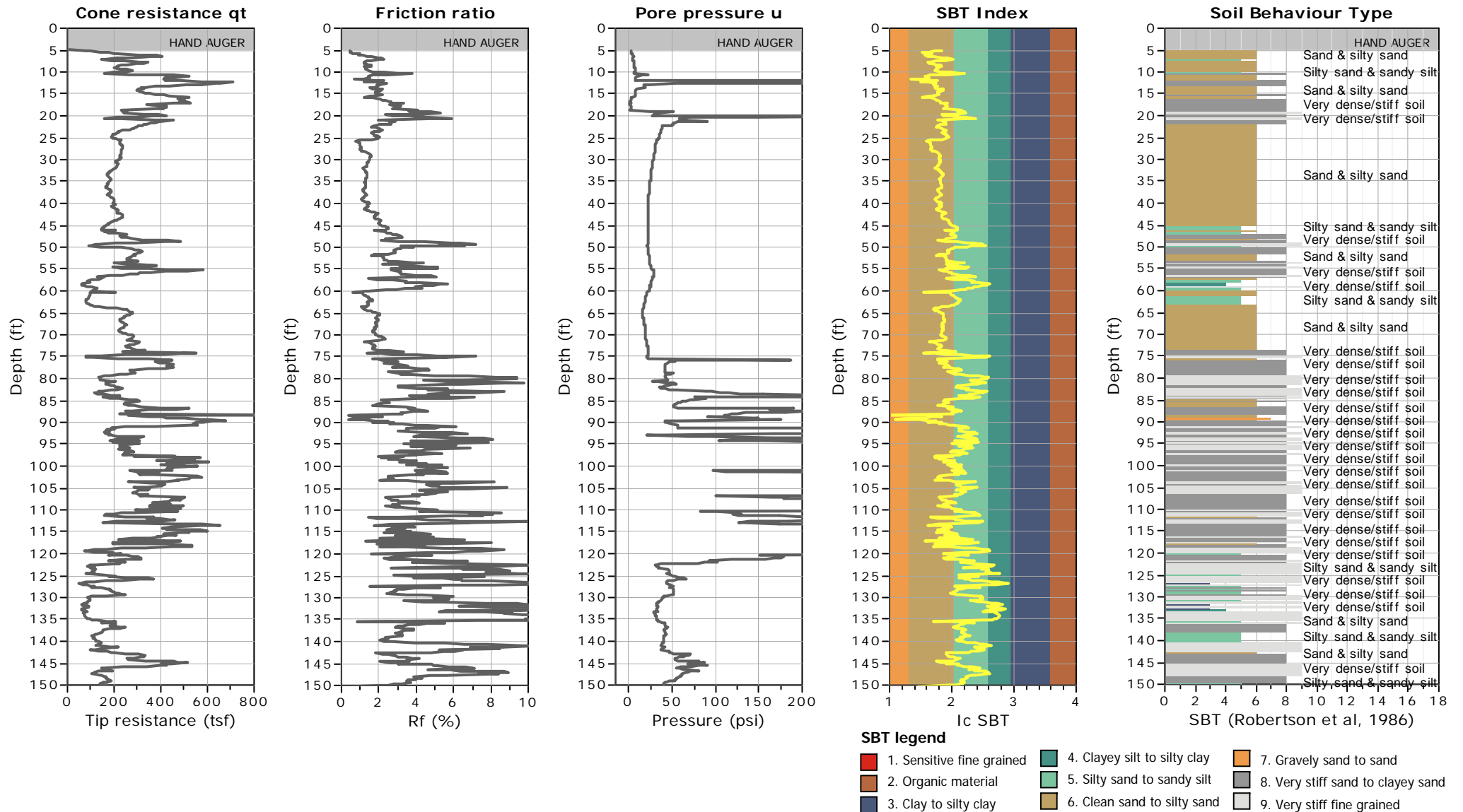


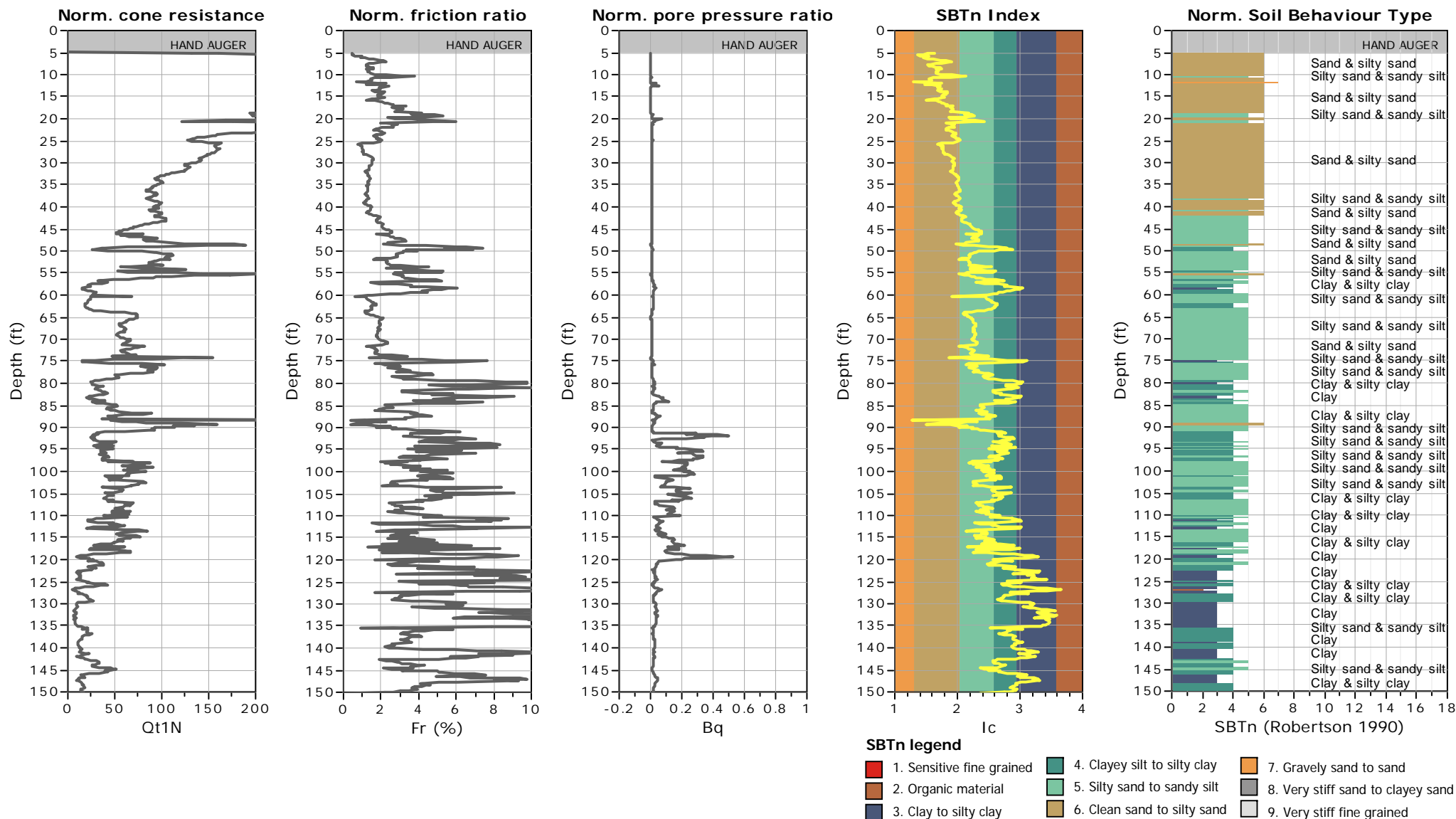
SBT - Bq plots (normalized)



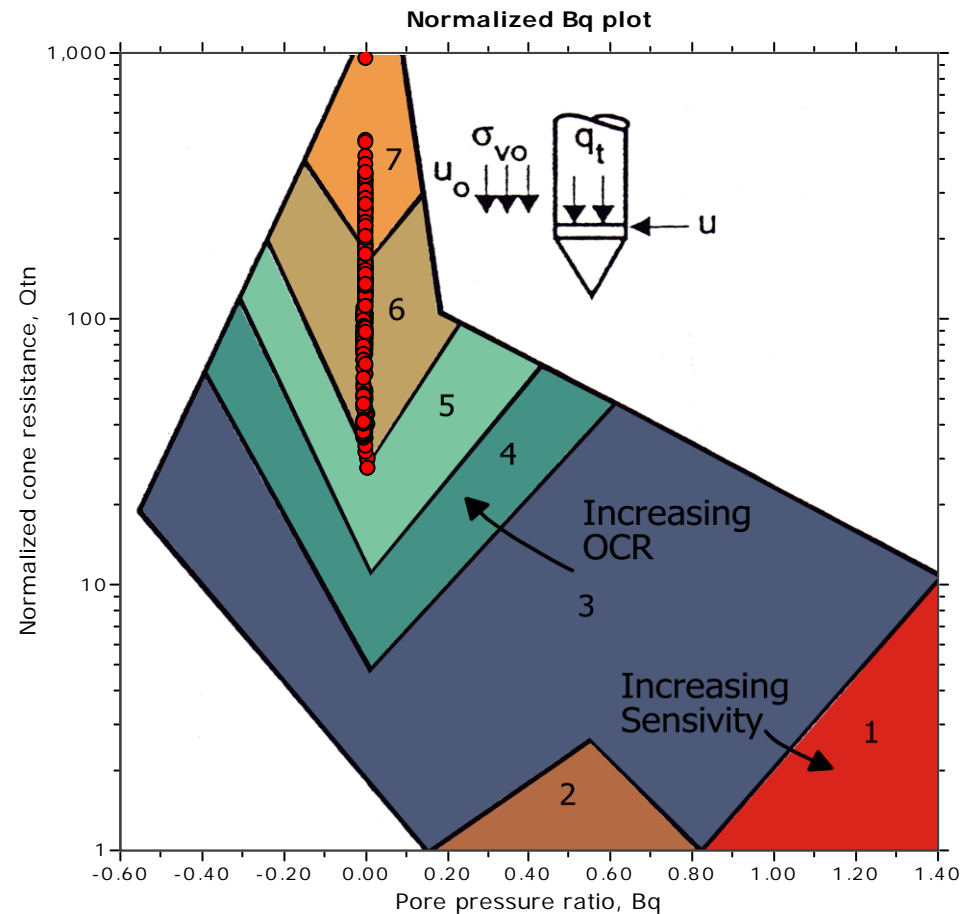
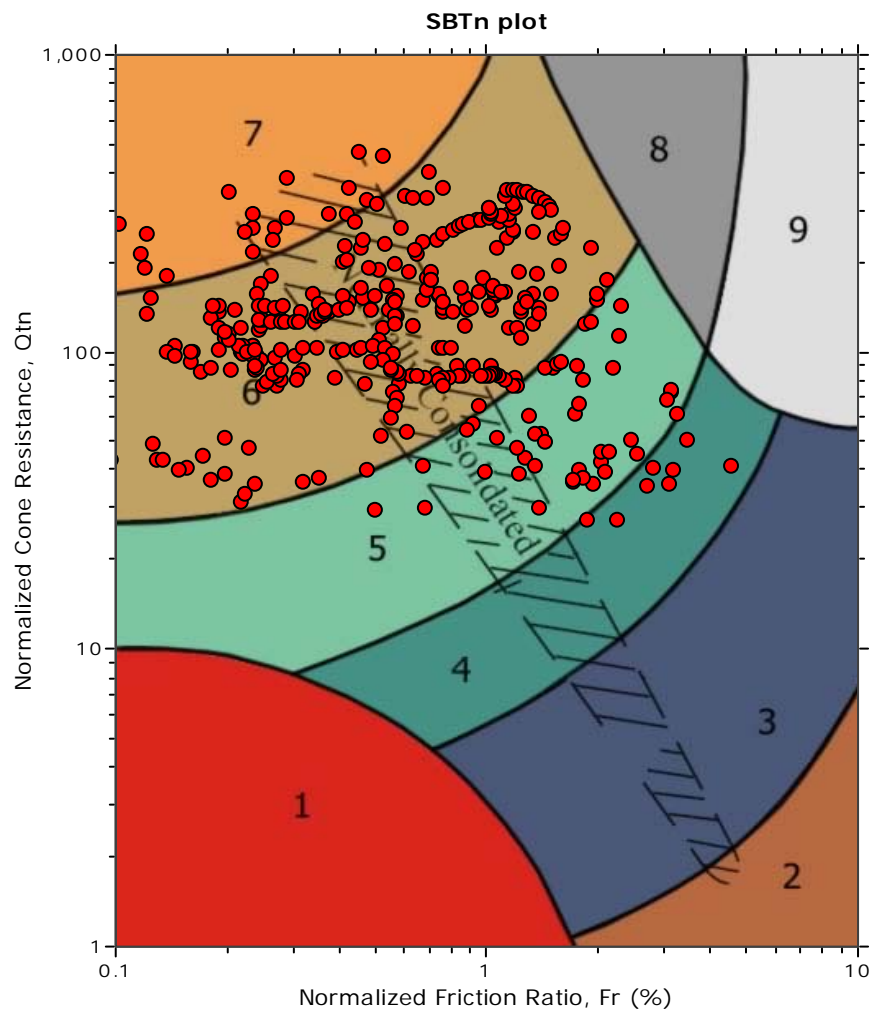
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



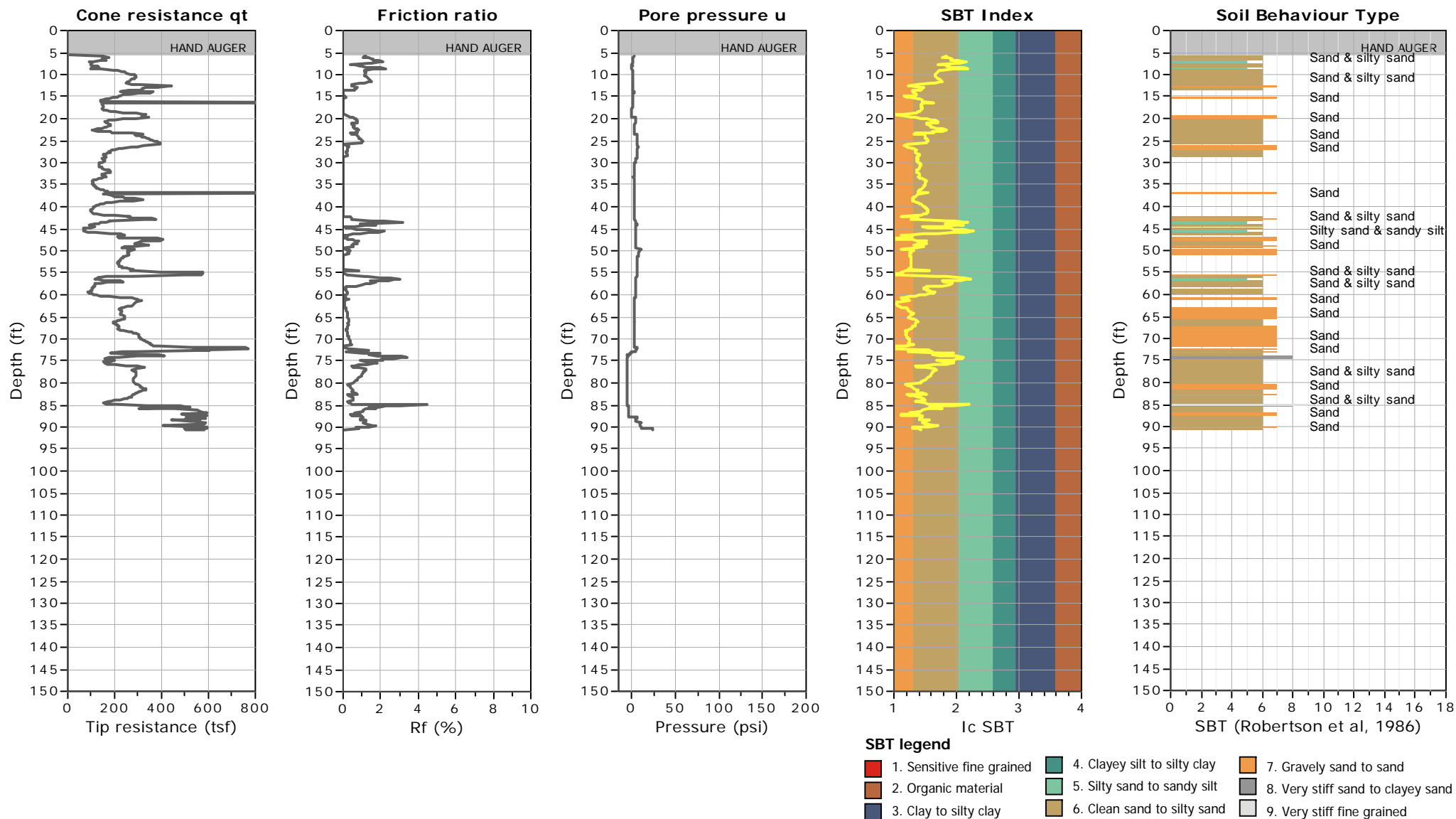


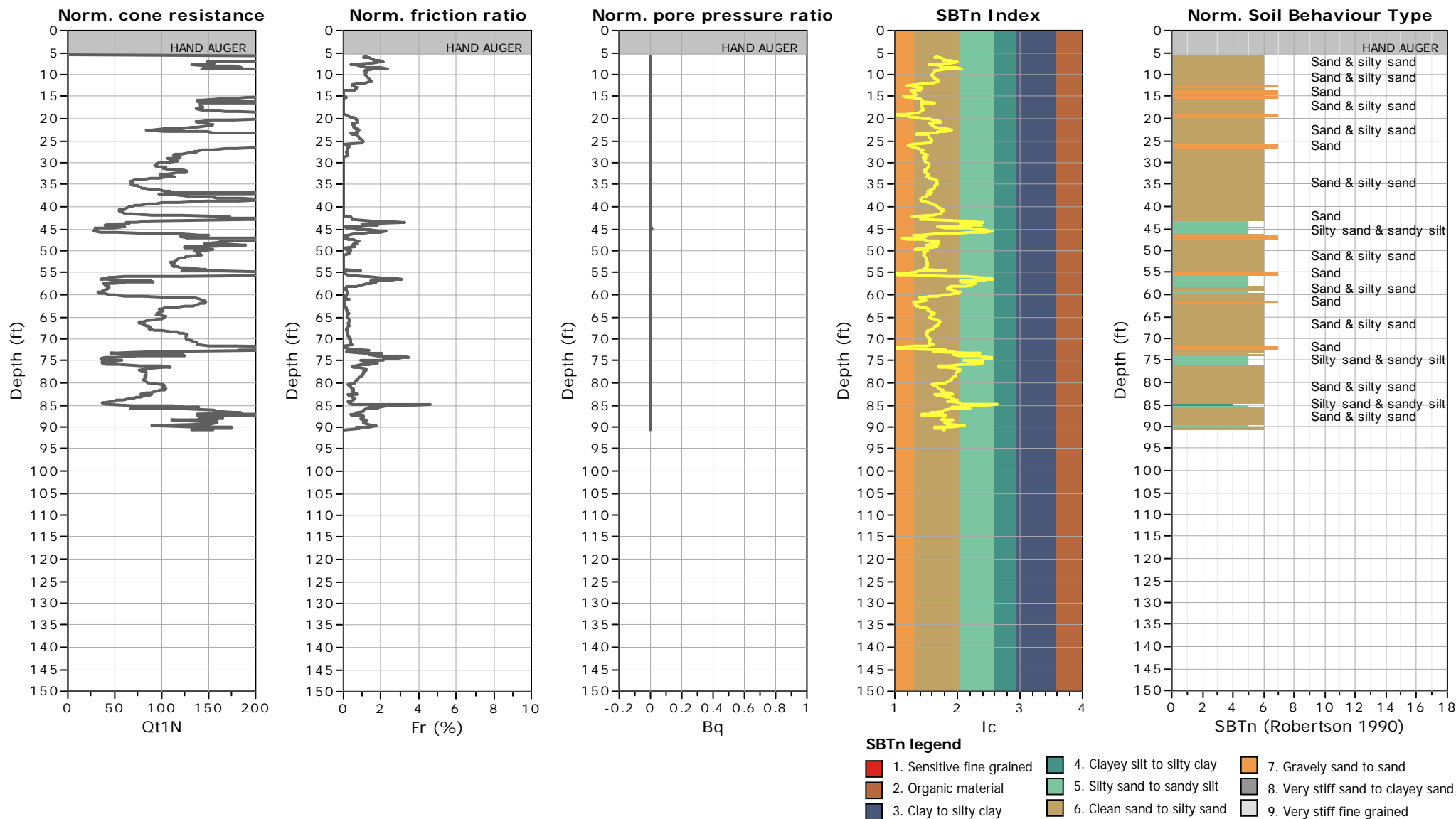
SBT - Bq plots (normalized)



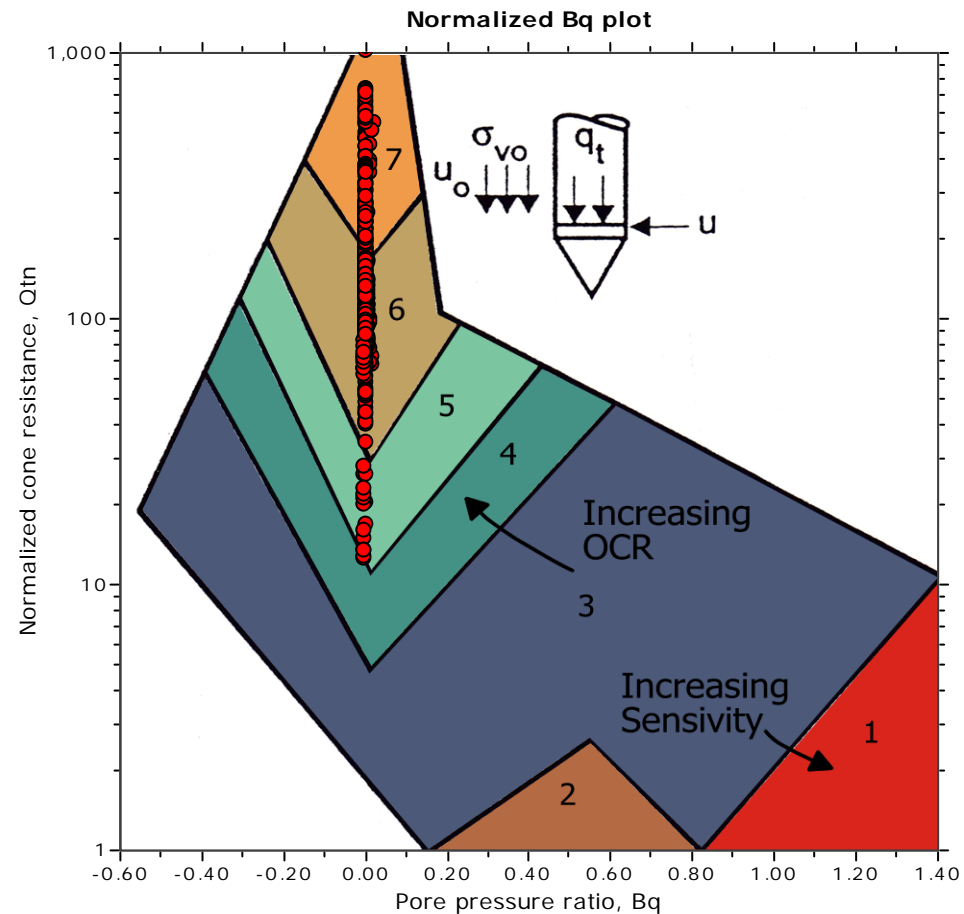
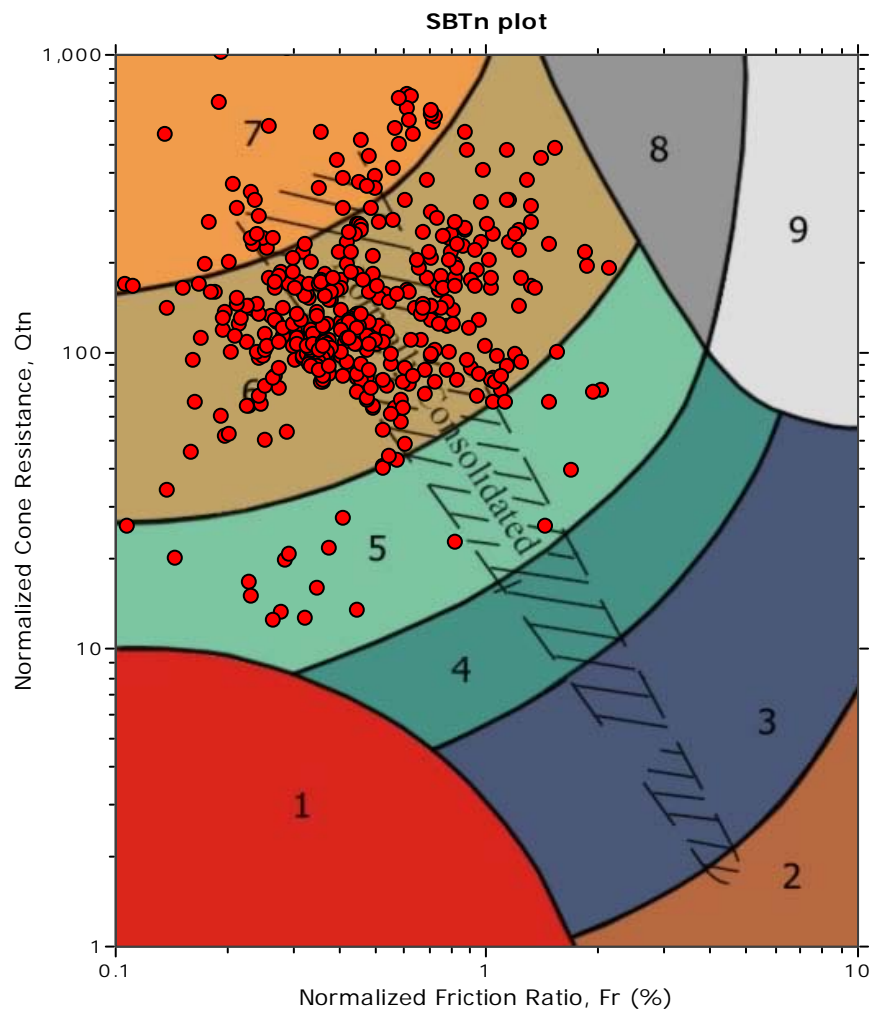
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



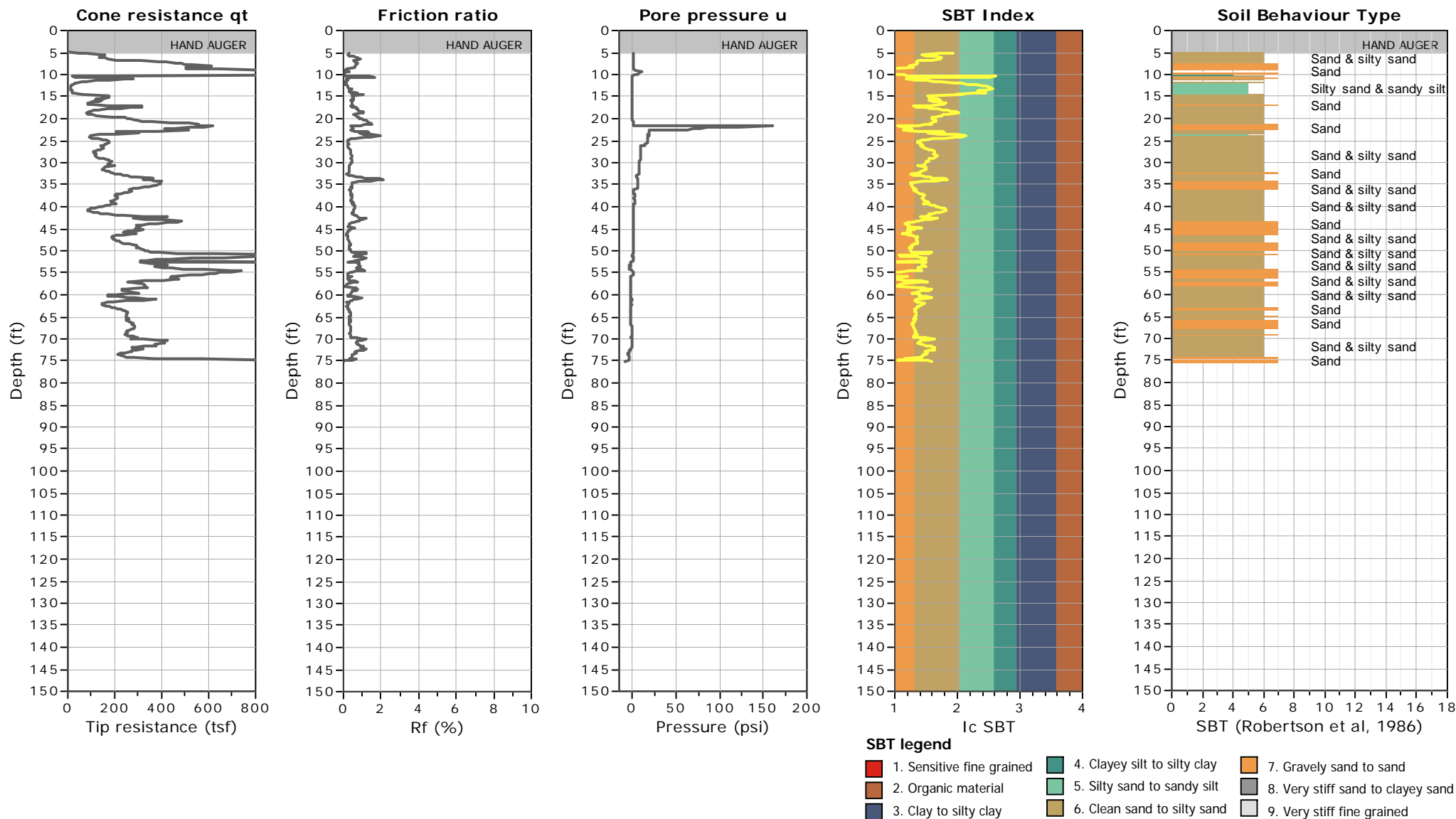


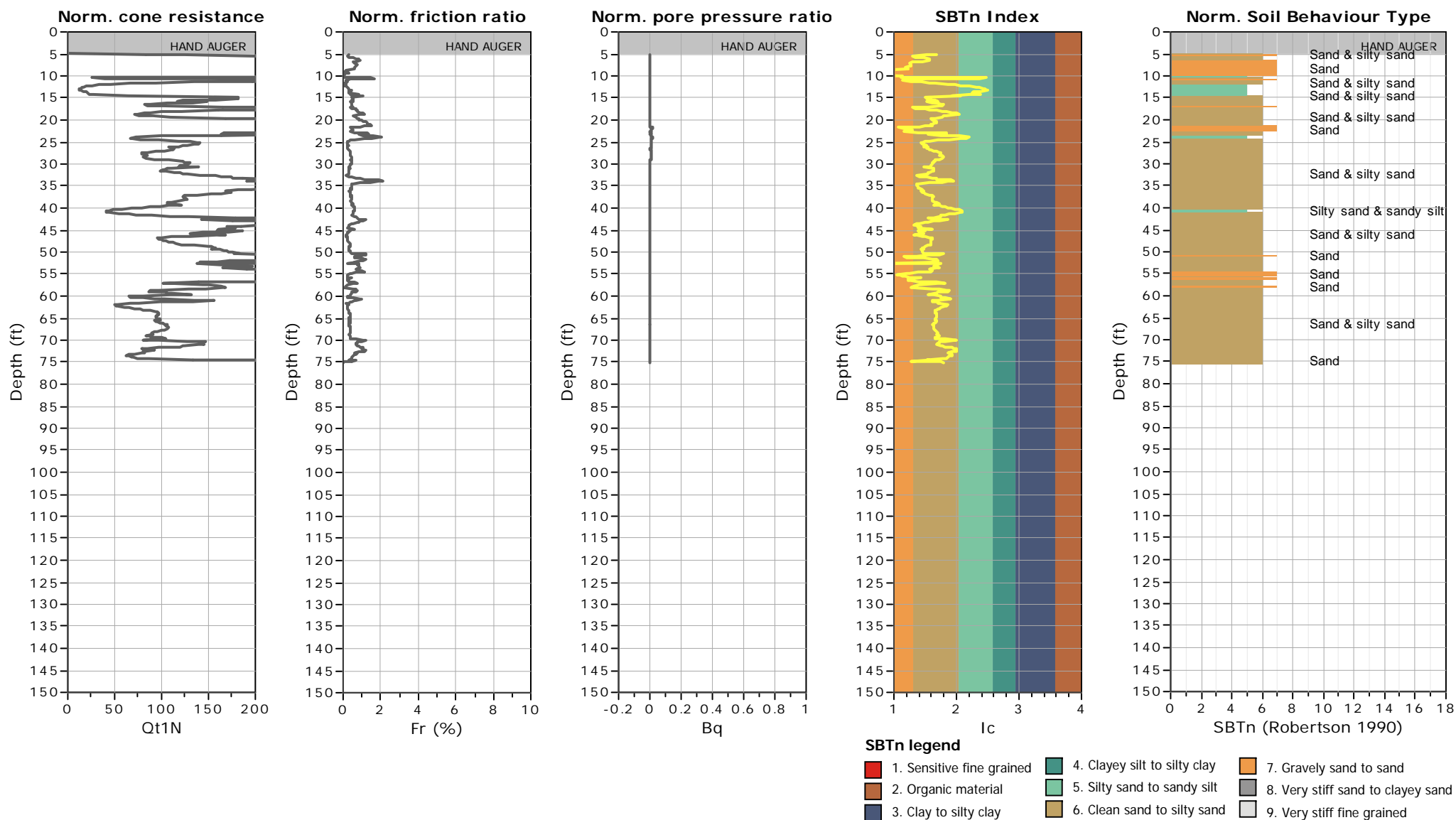
SBT - Bq plots (normalized)



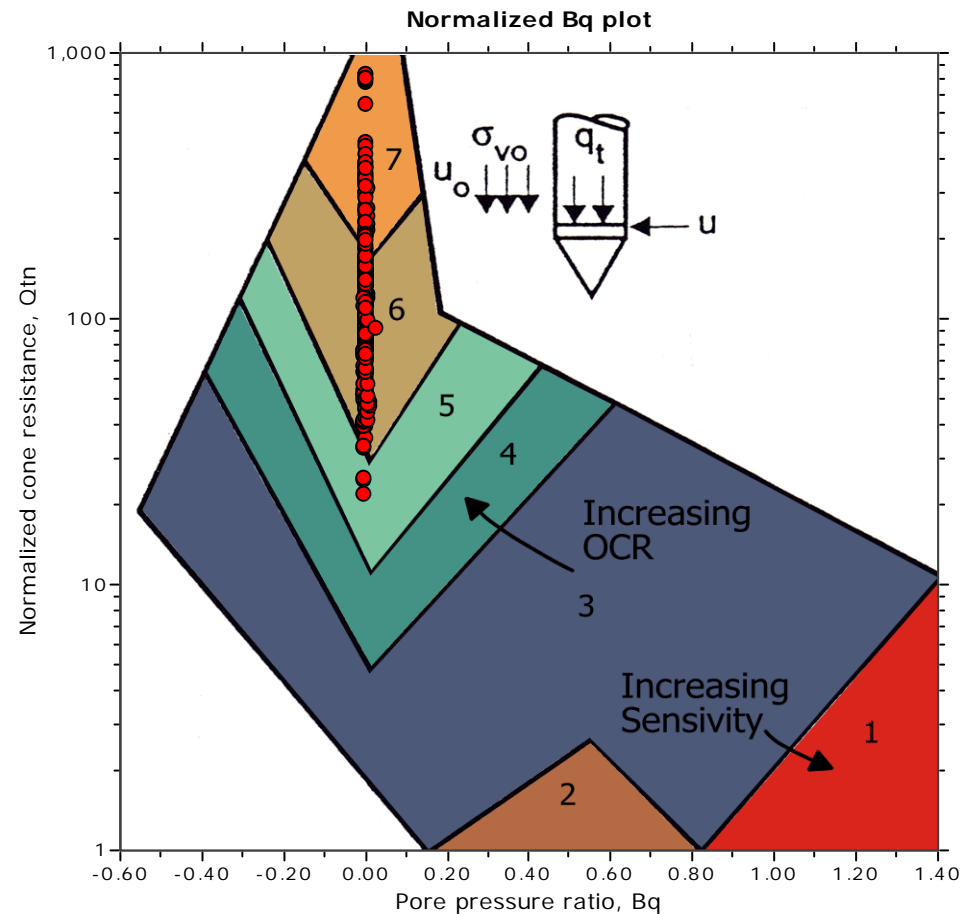
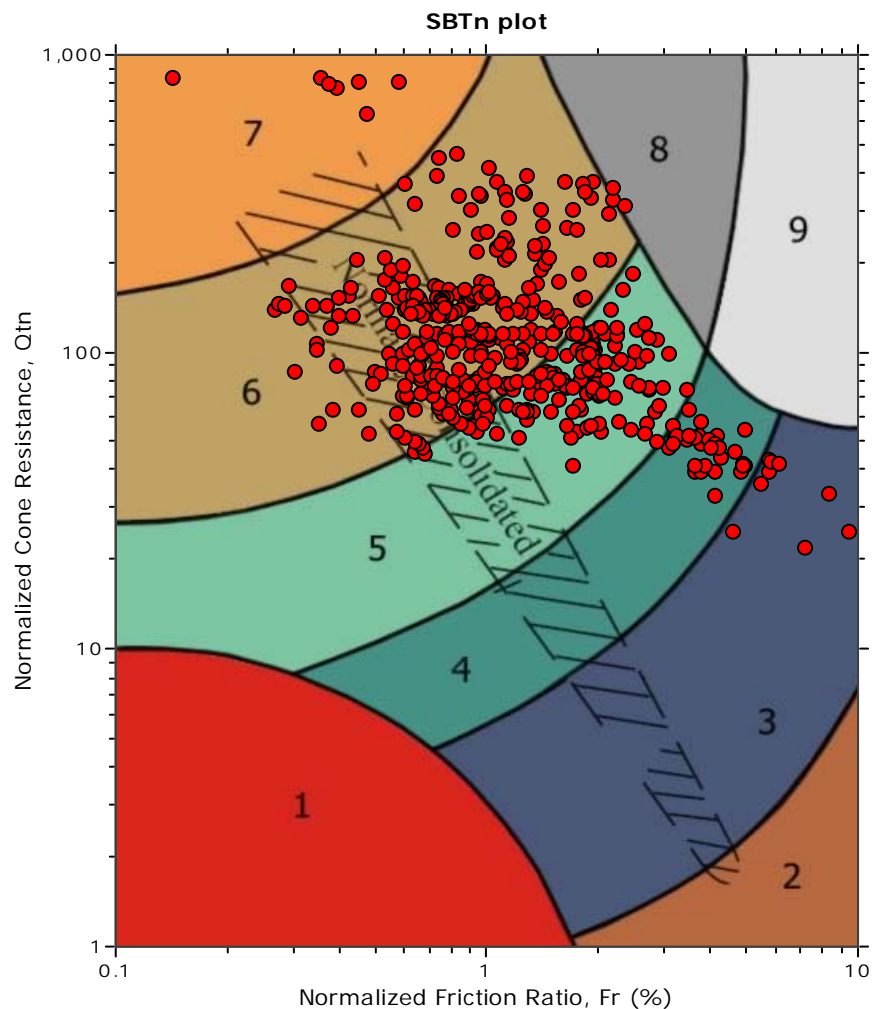
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



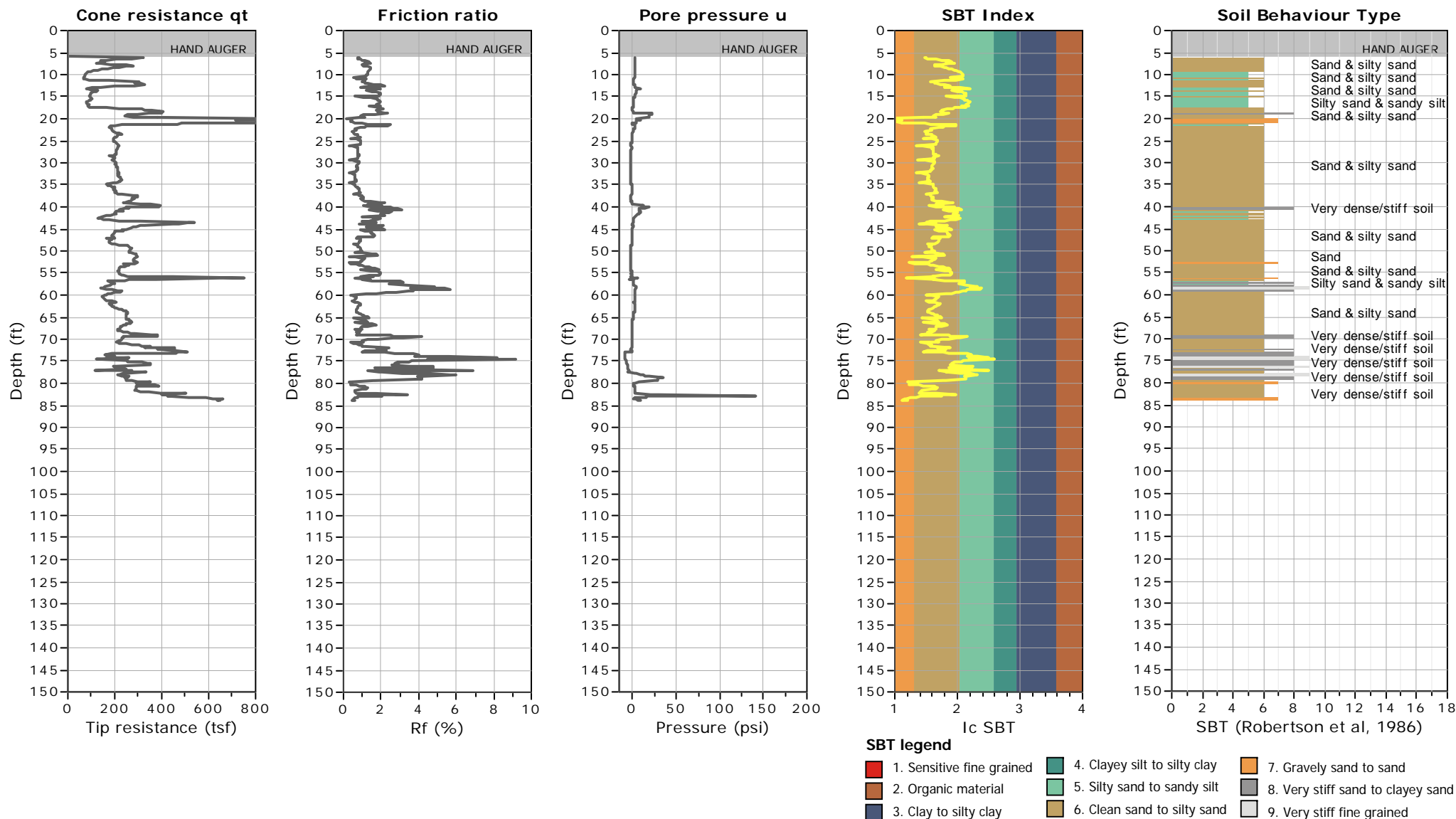


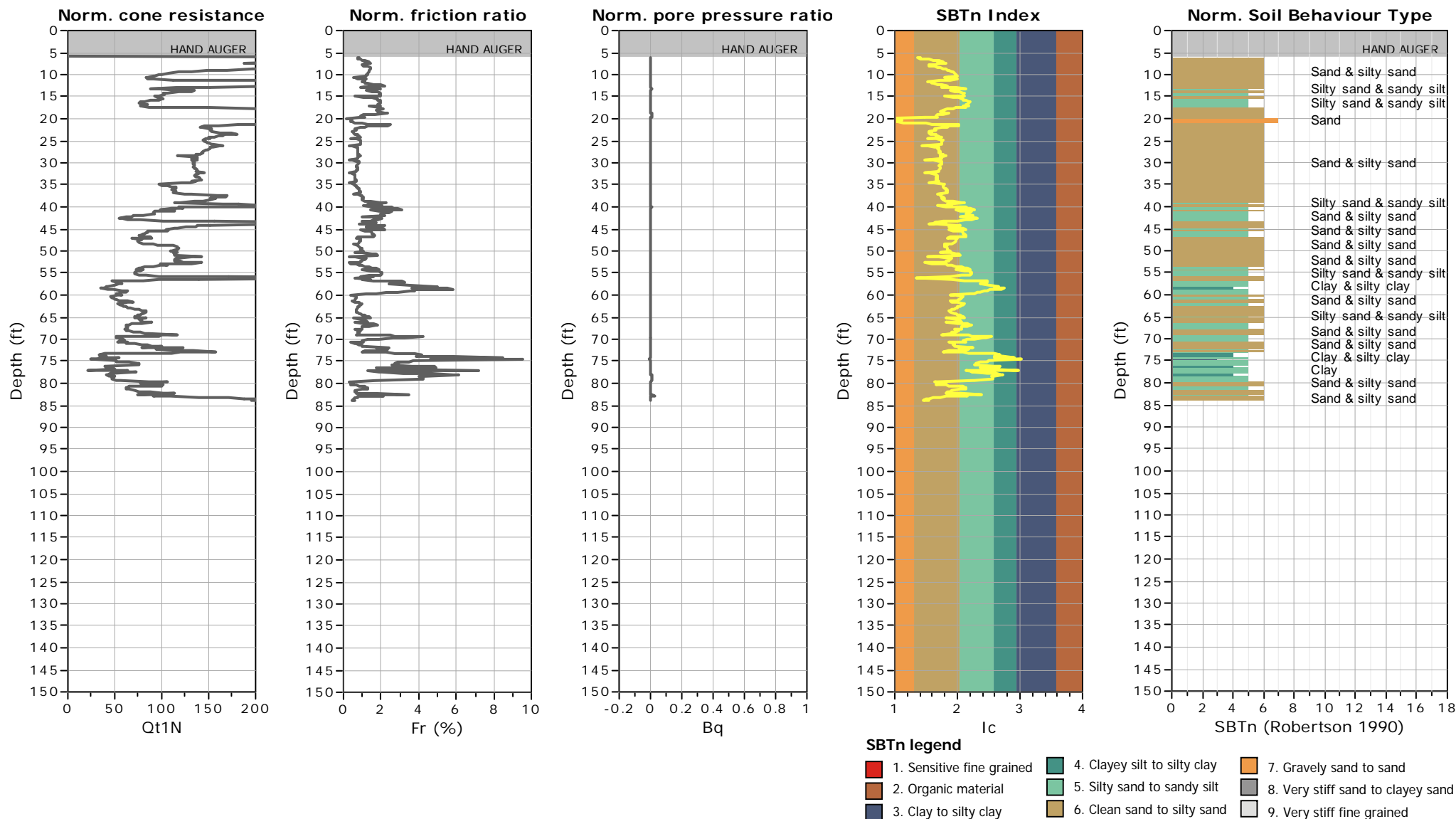
SBT - Bq plots (normalized)



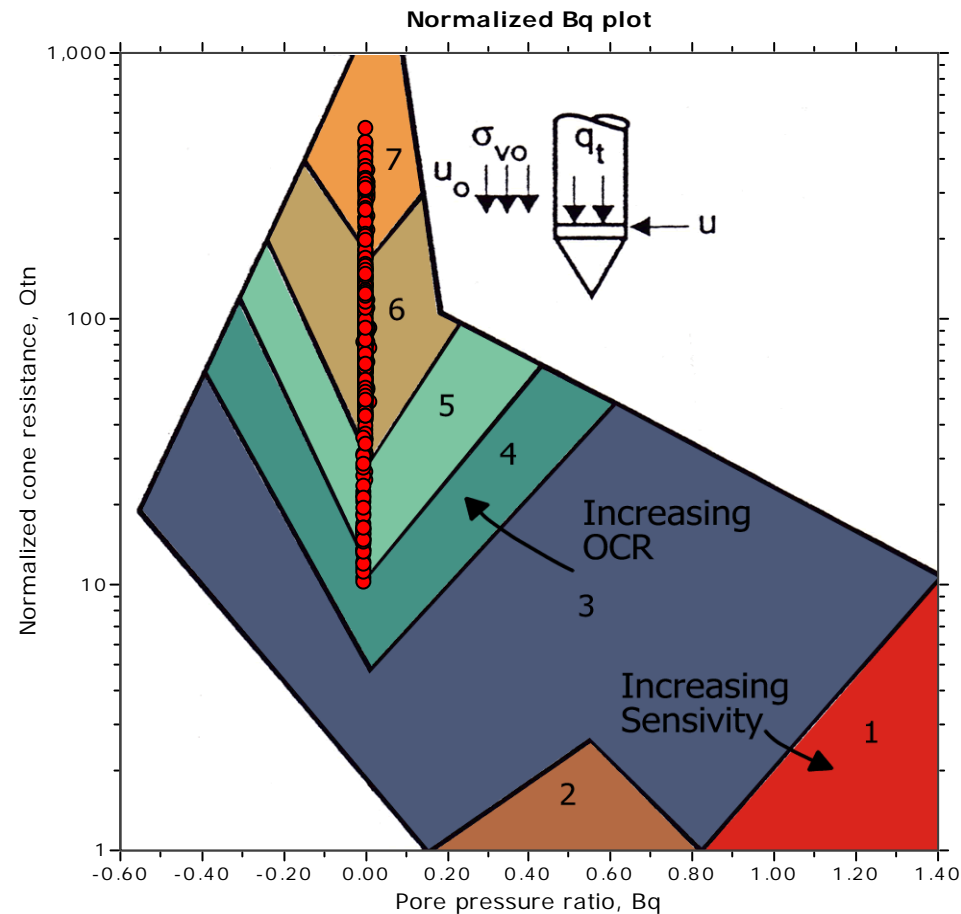
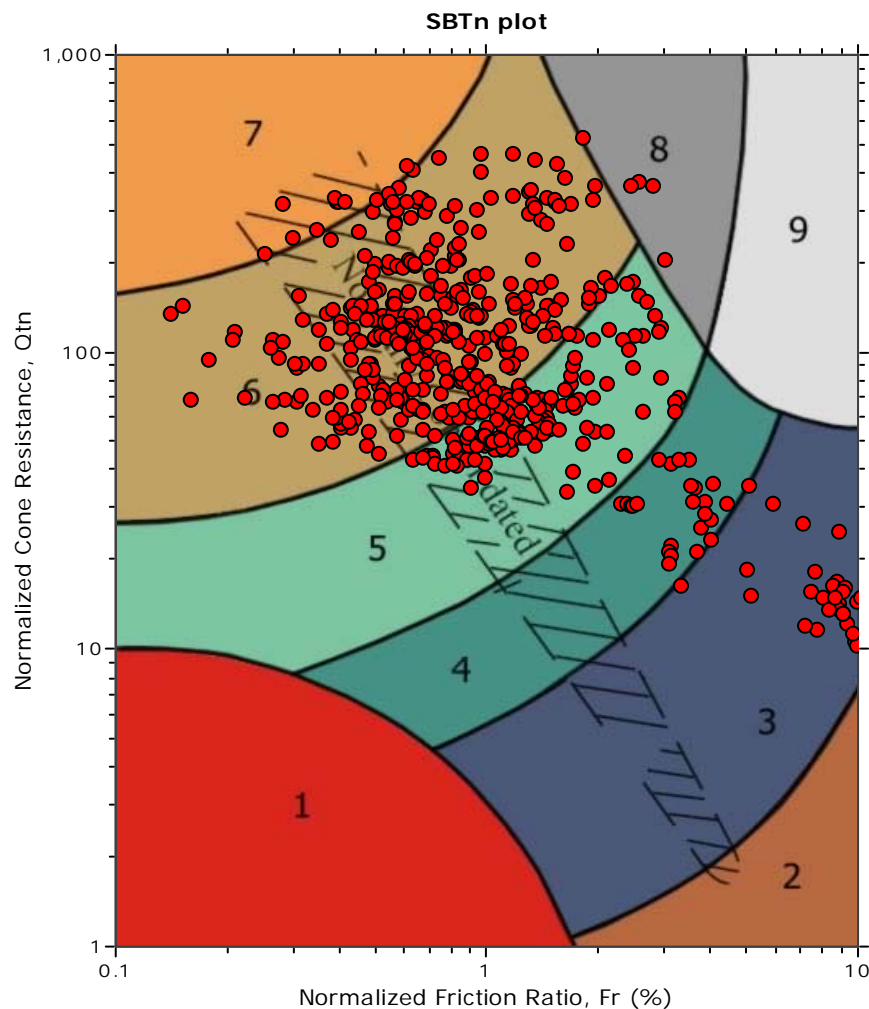
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



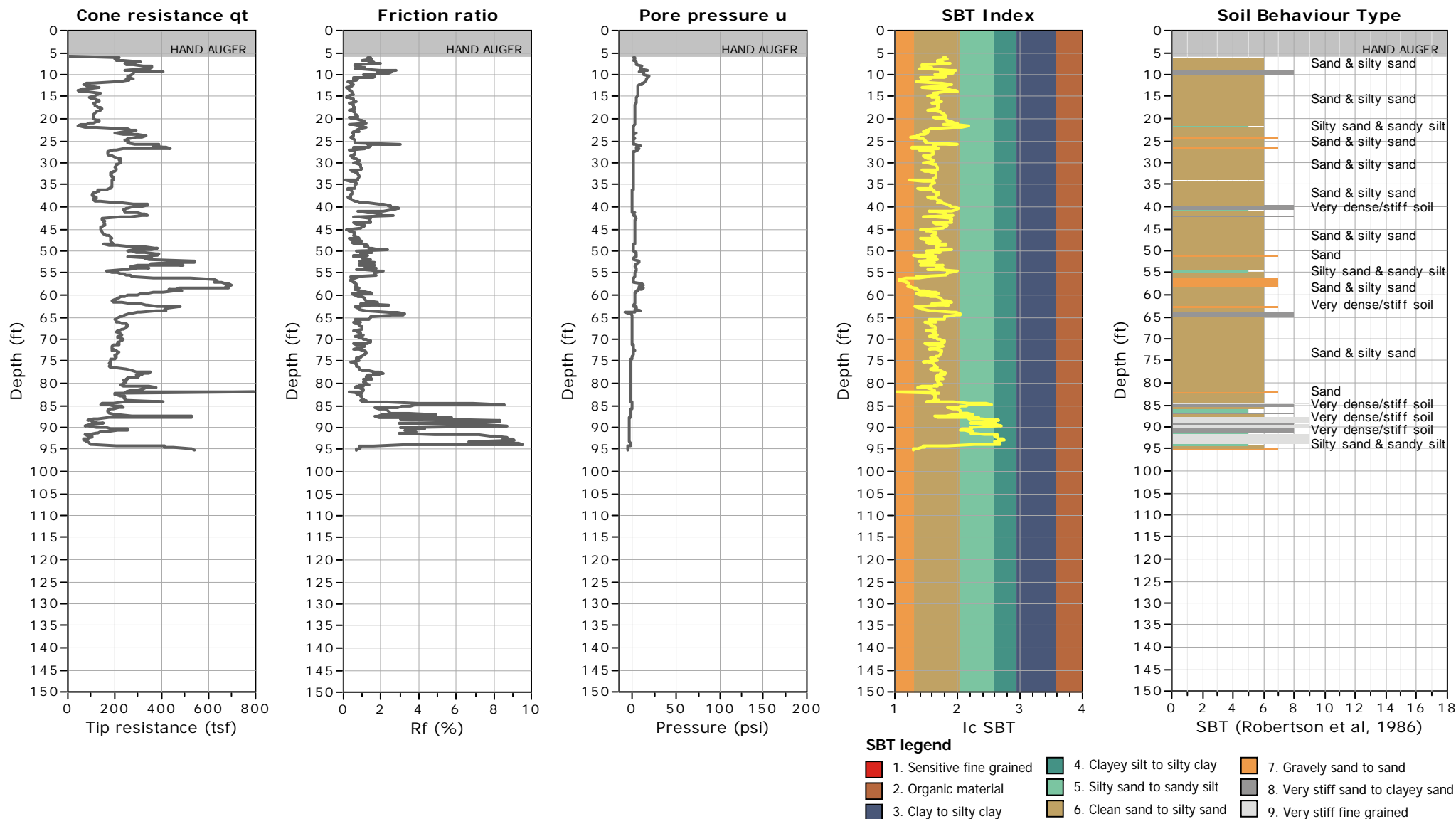


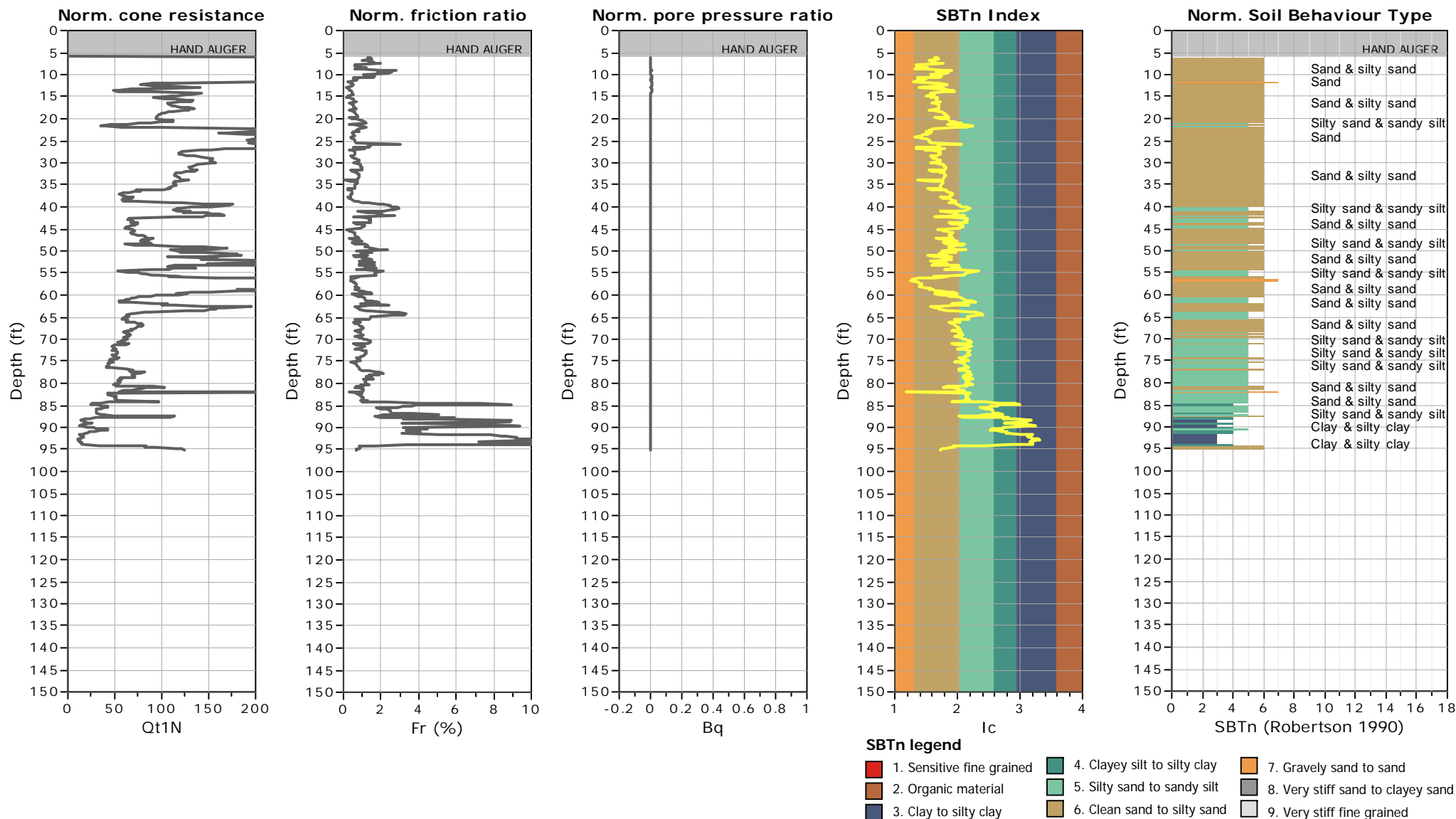
SBT - Bq plots (normalized)



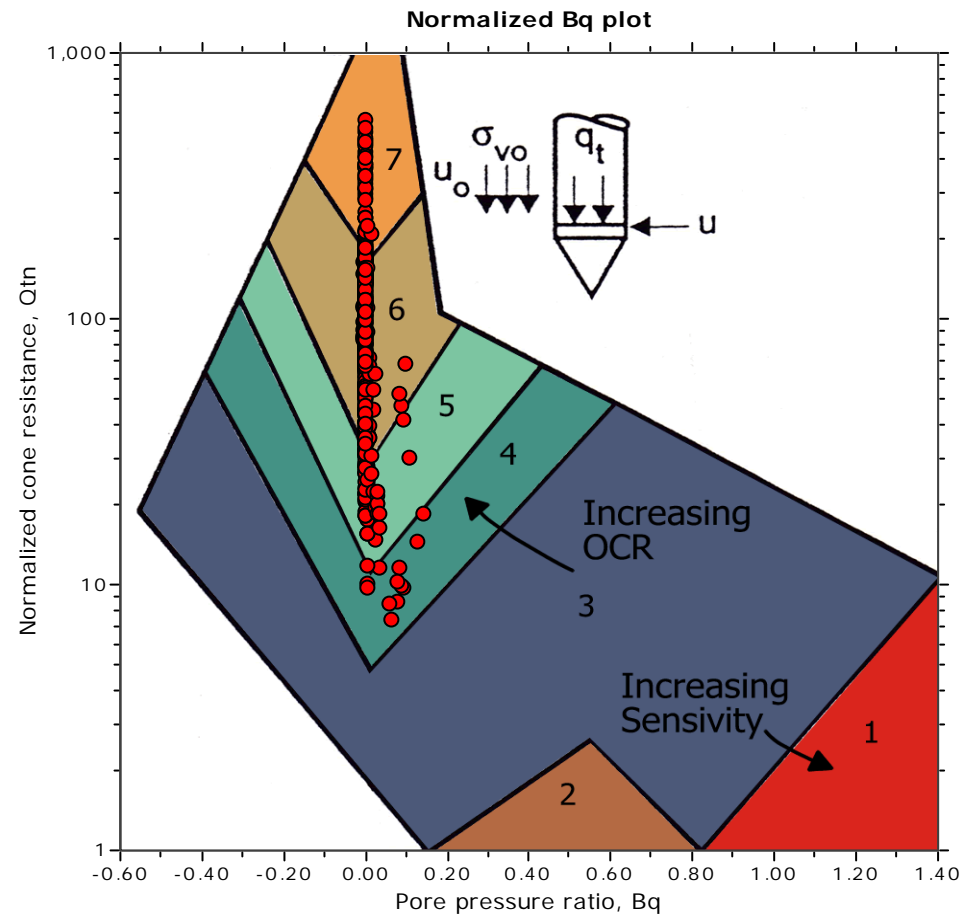
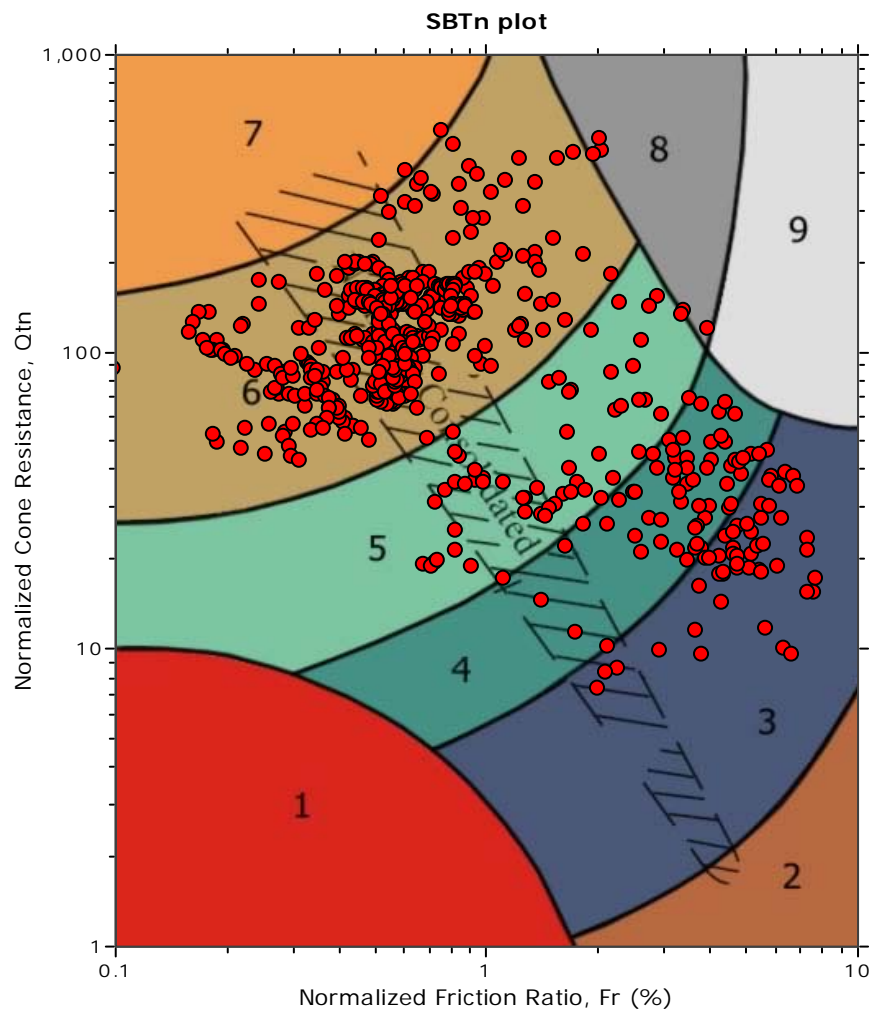
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



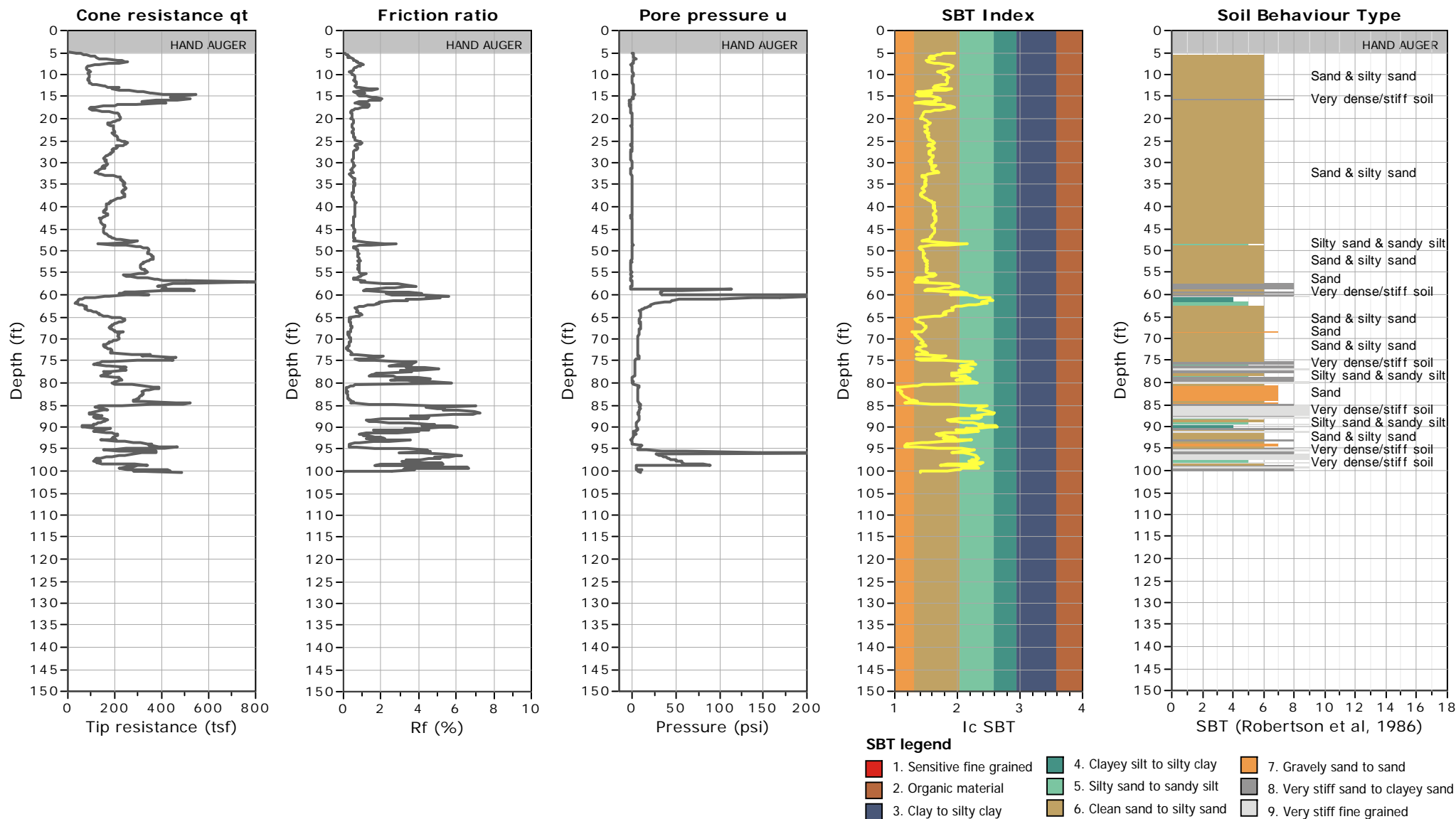


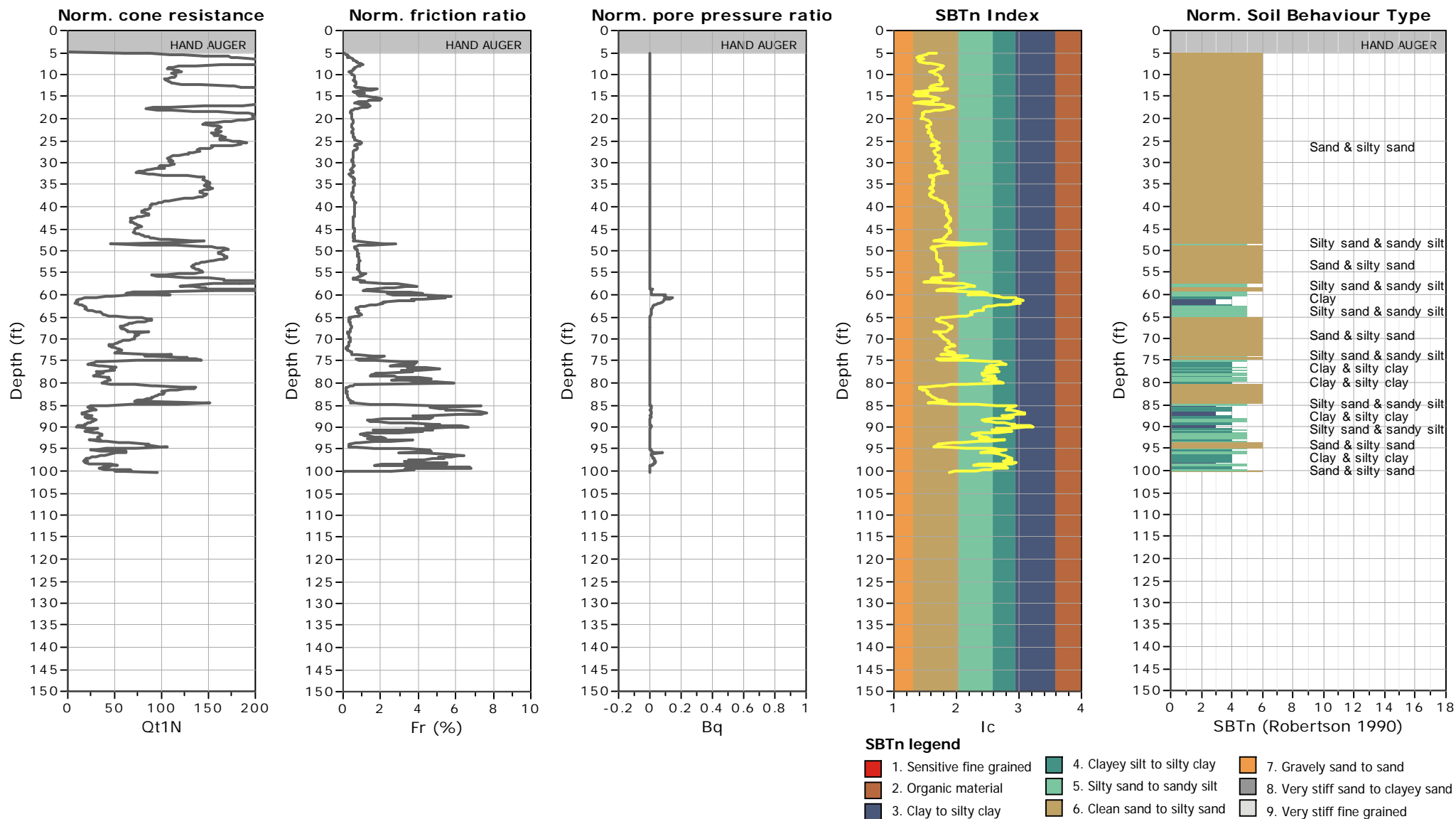
SBT - Bq plots (normalized)



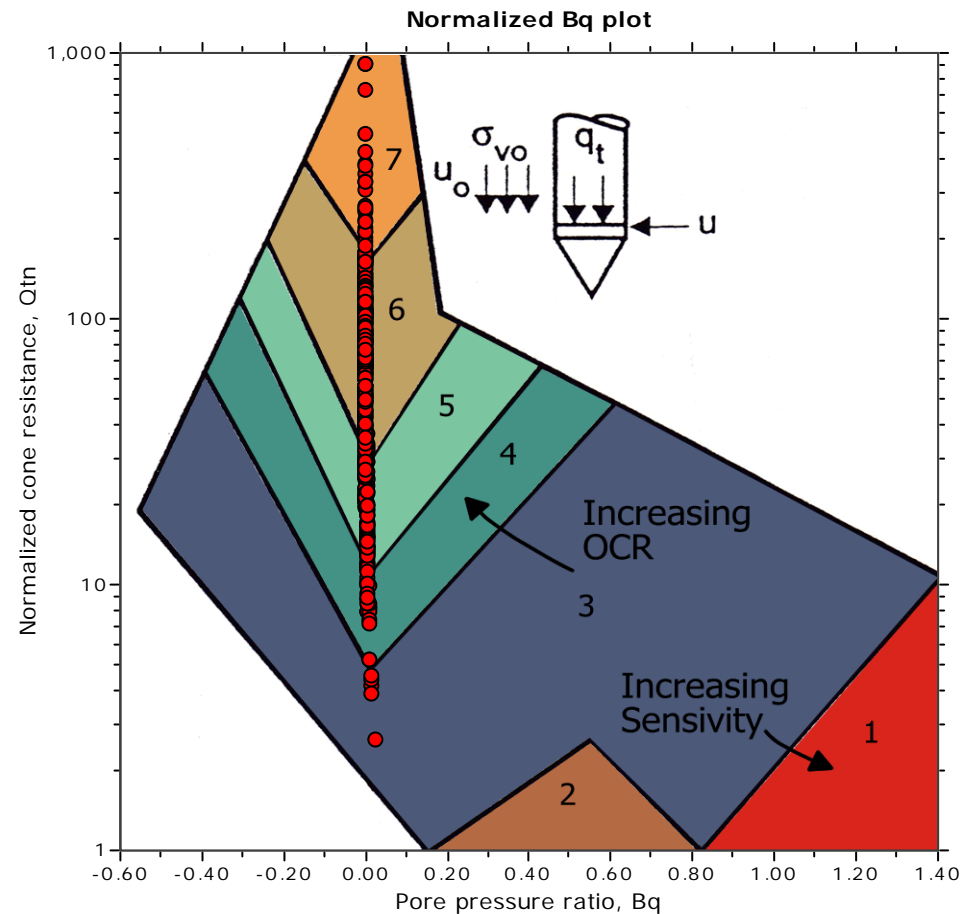
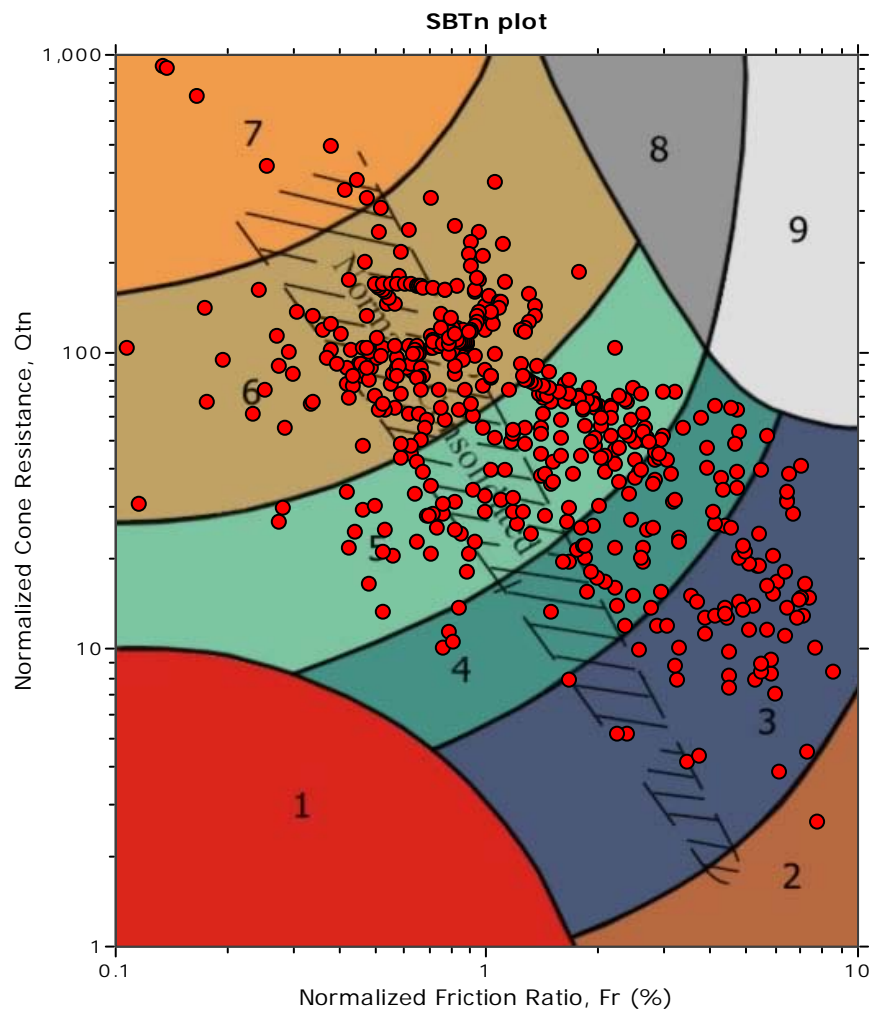
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



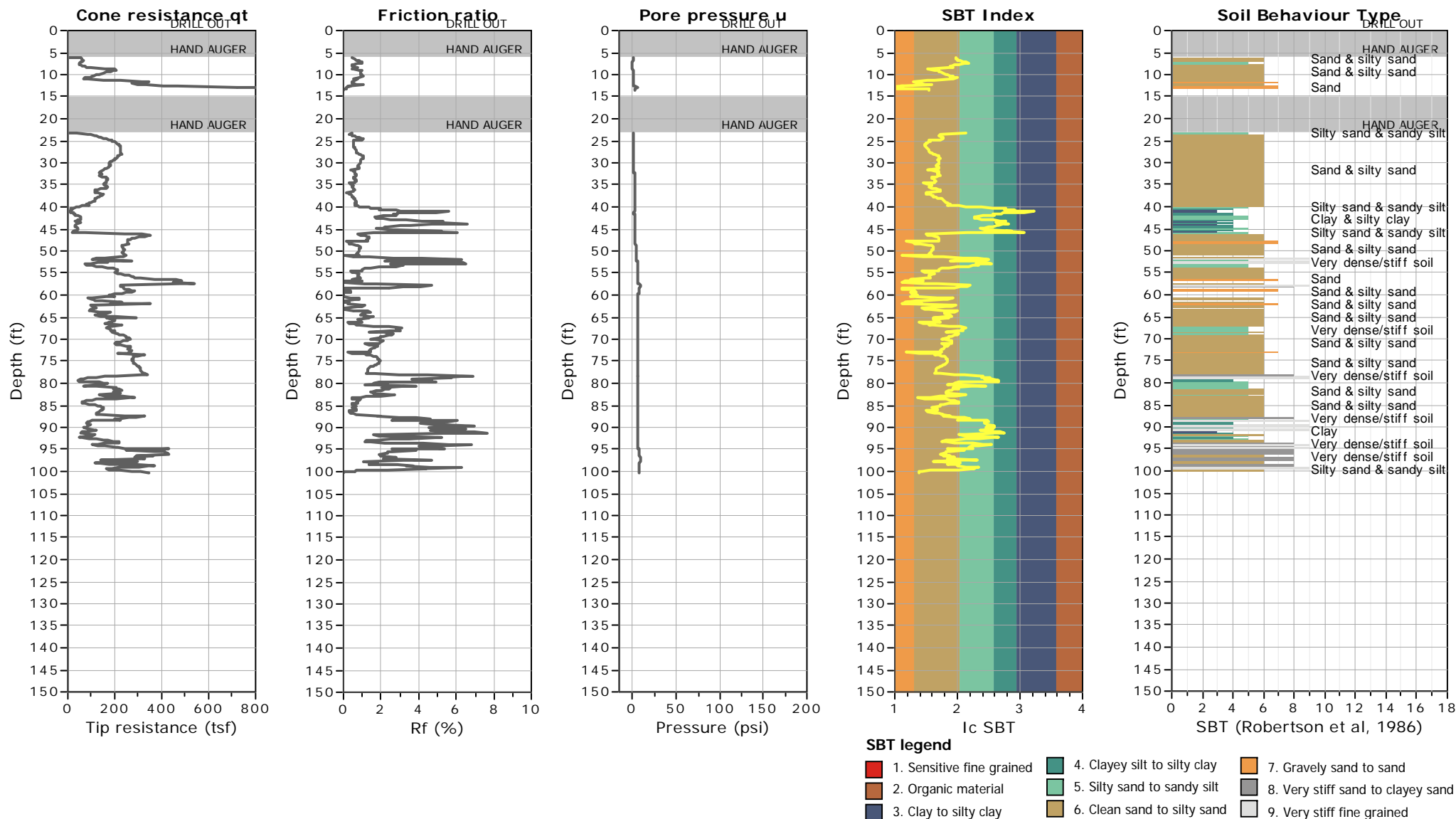


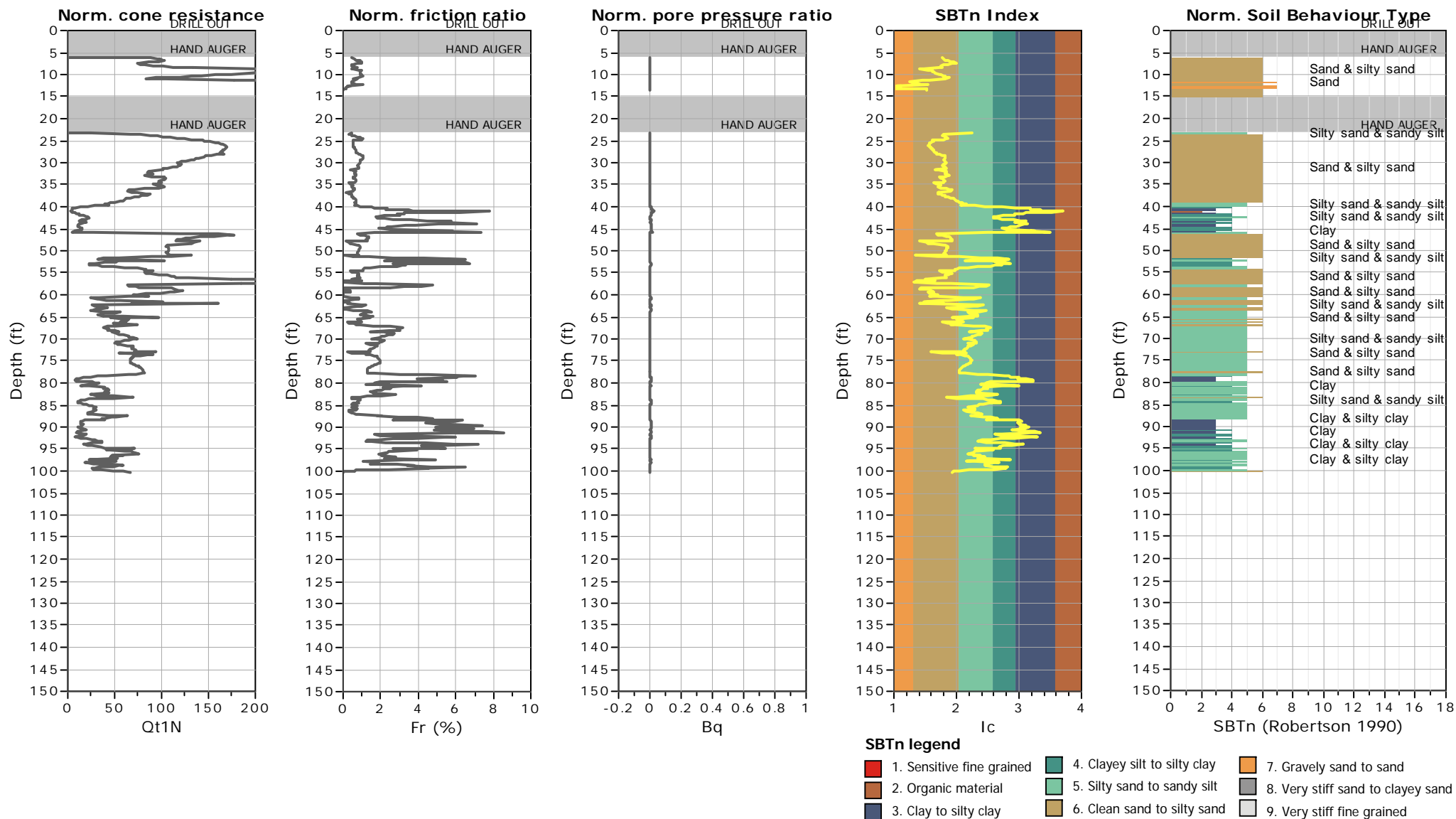
SBT - Bq plots (normalized)



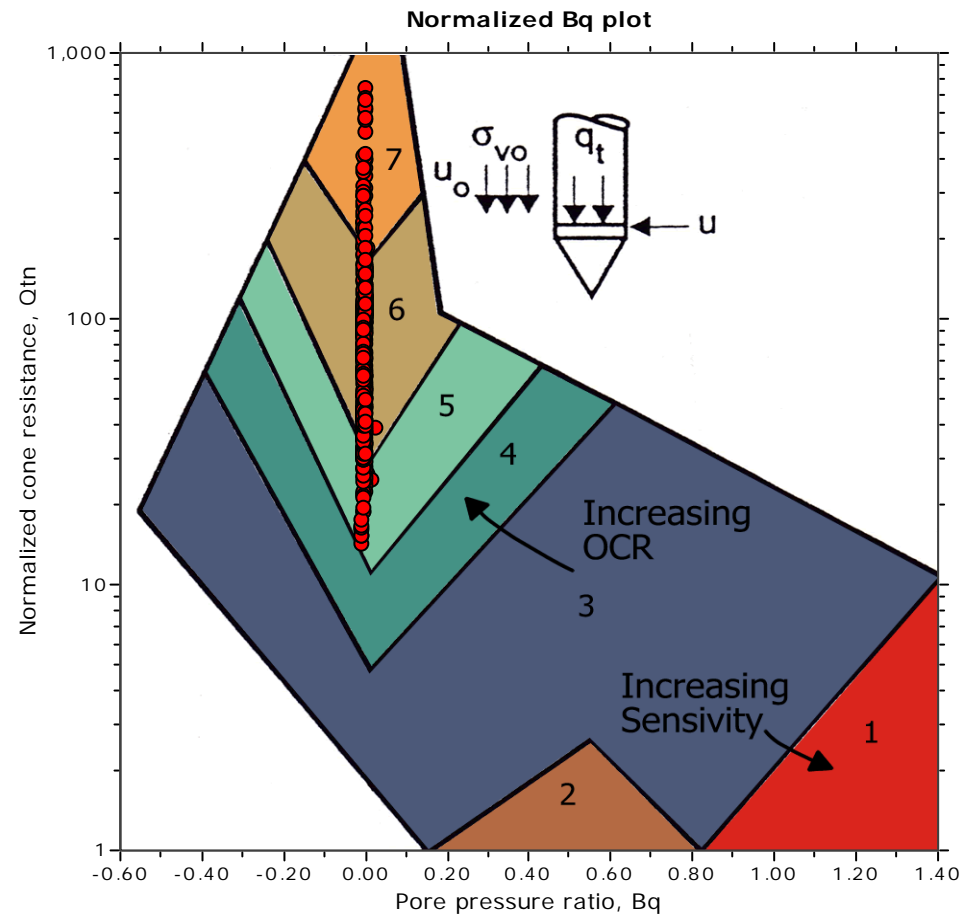
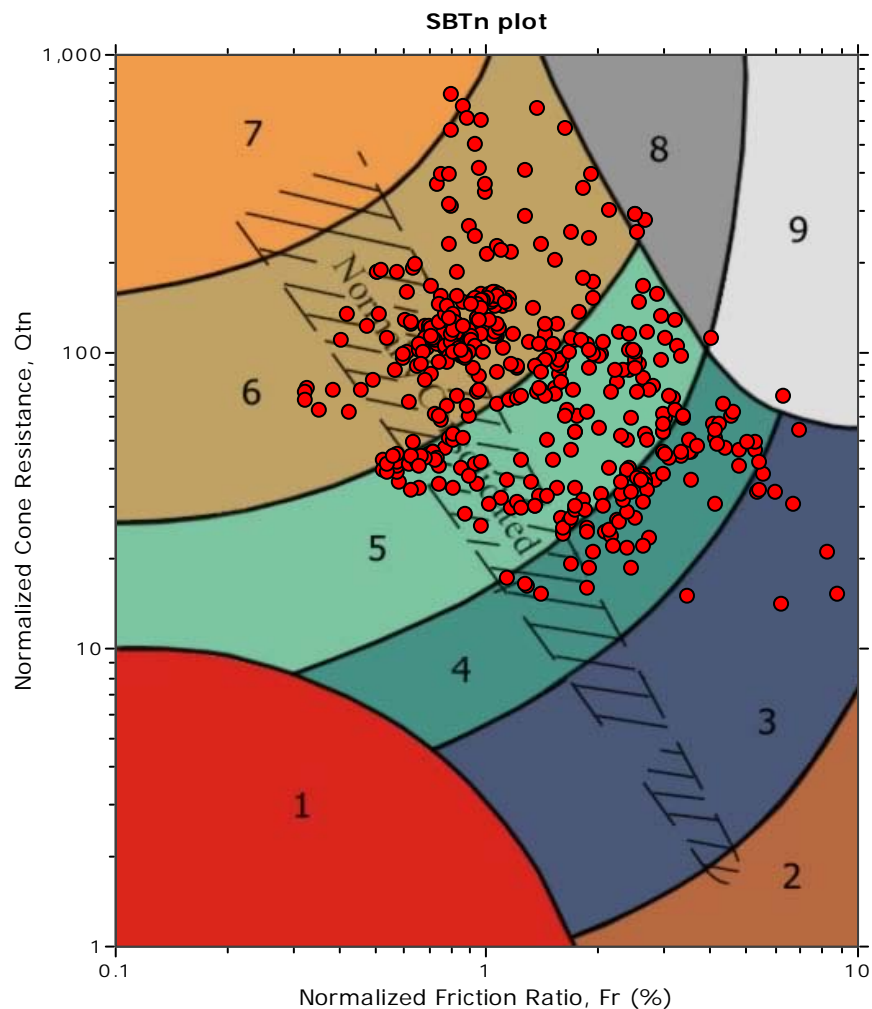
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



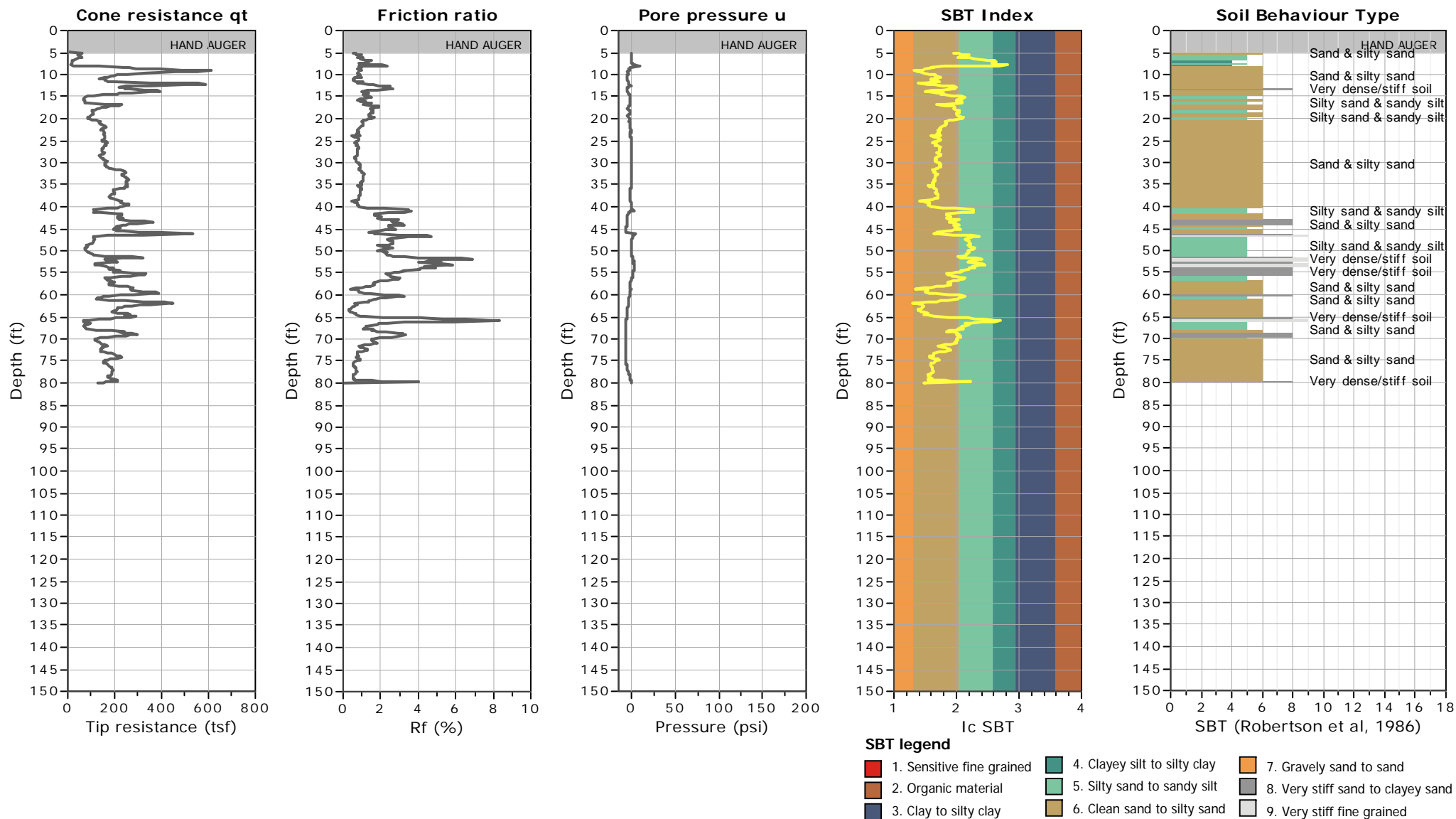


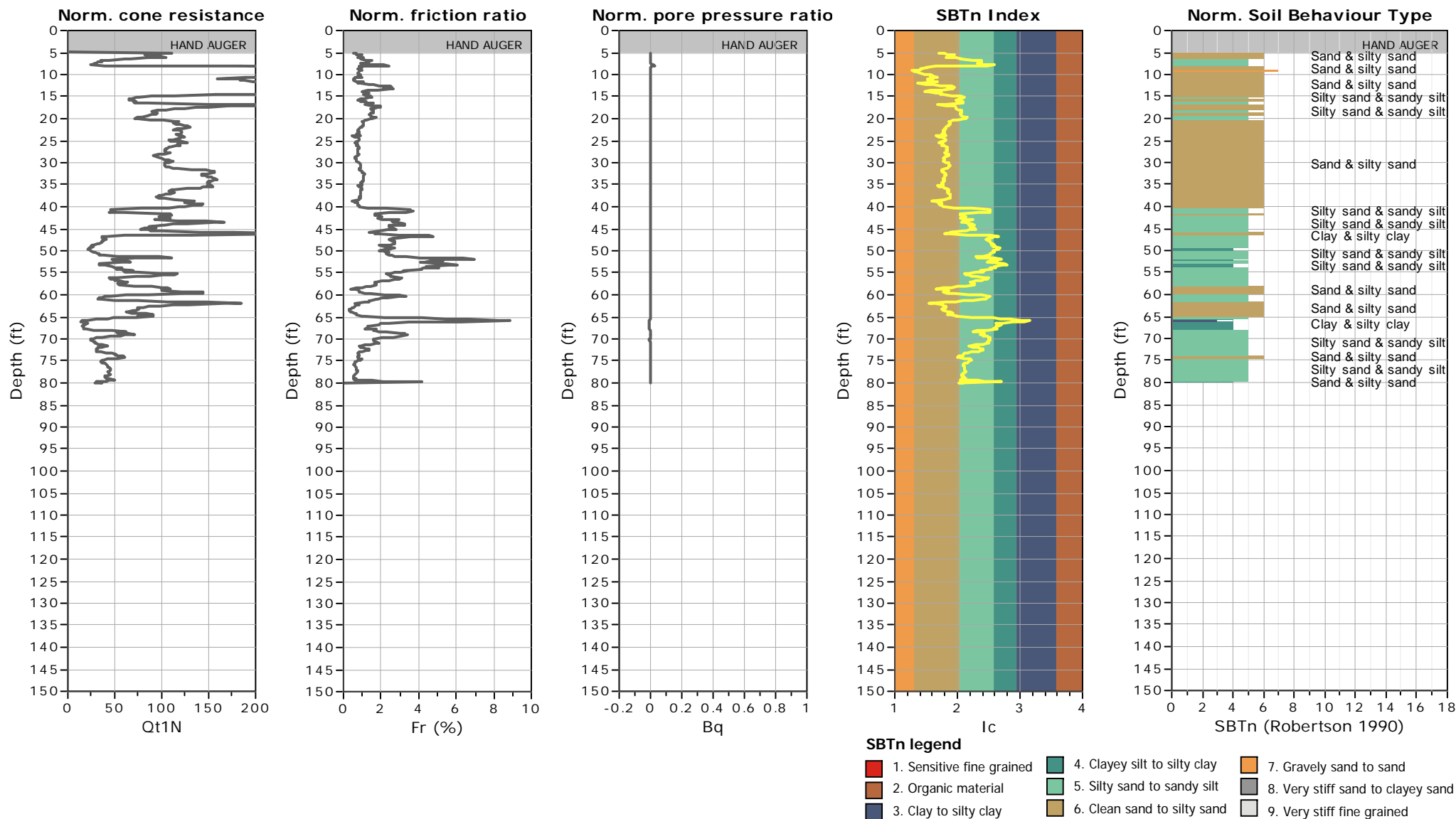
SBT - Bq plots (normalized)



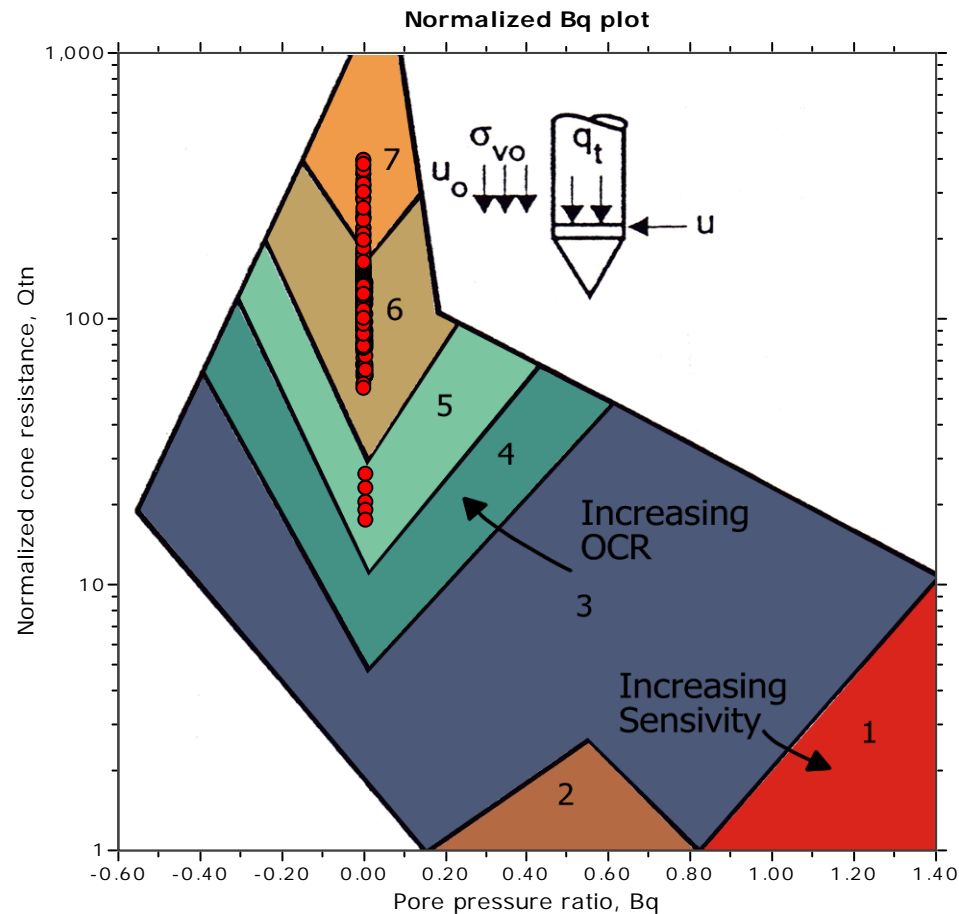
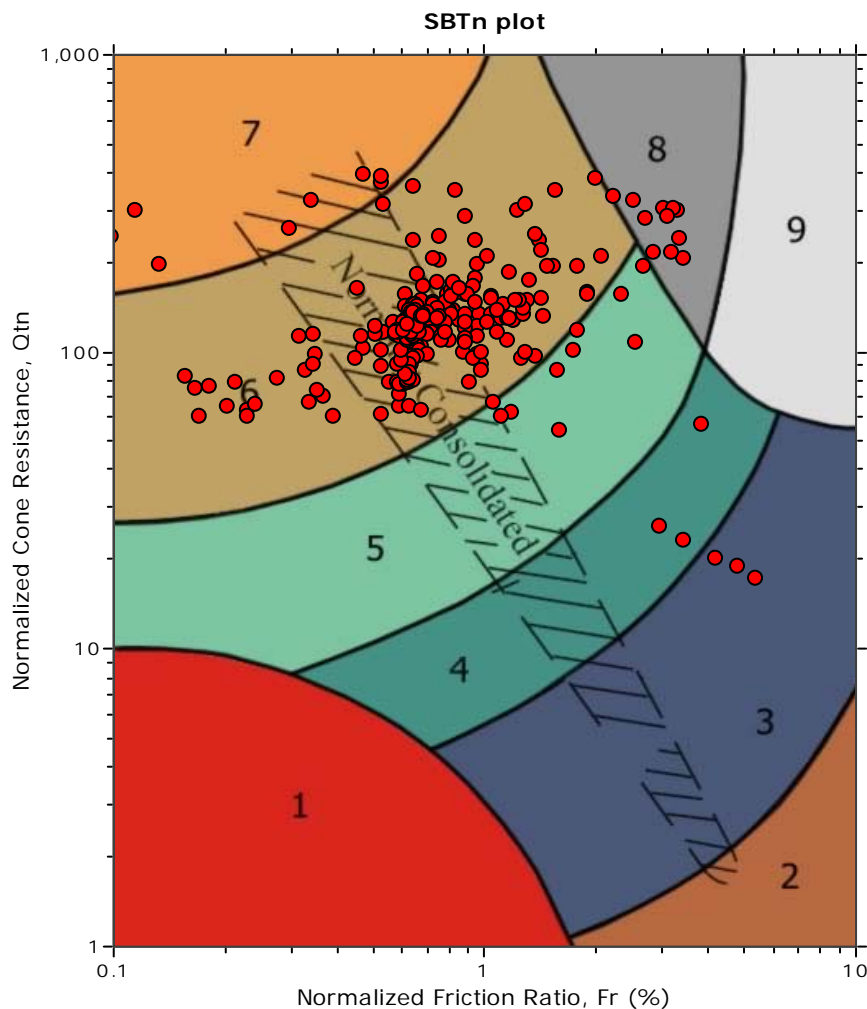
SBTn legend

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|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



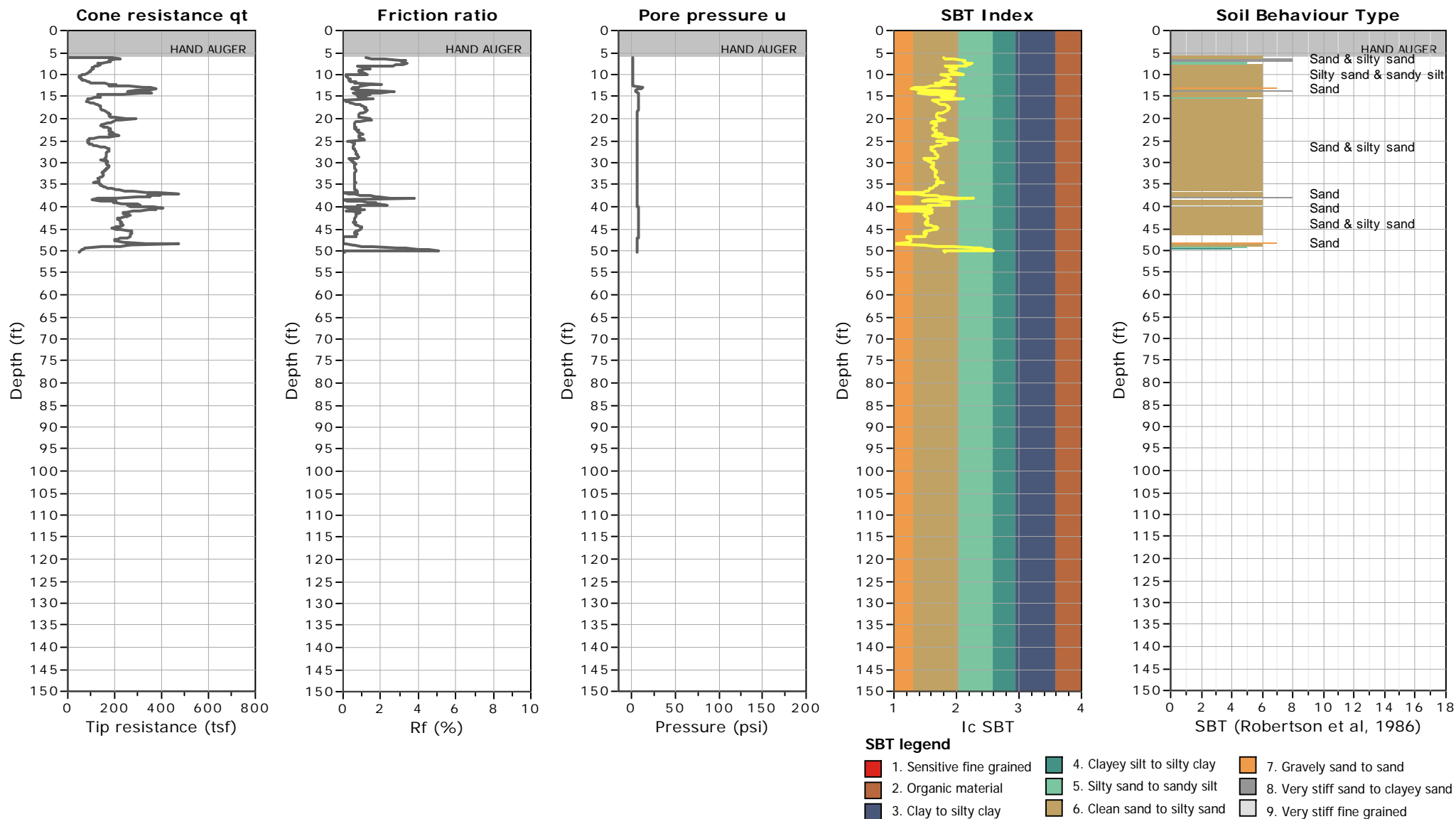


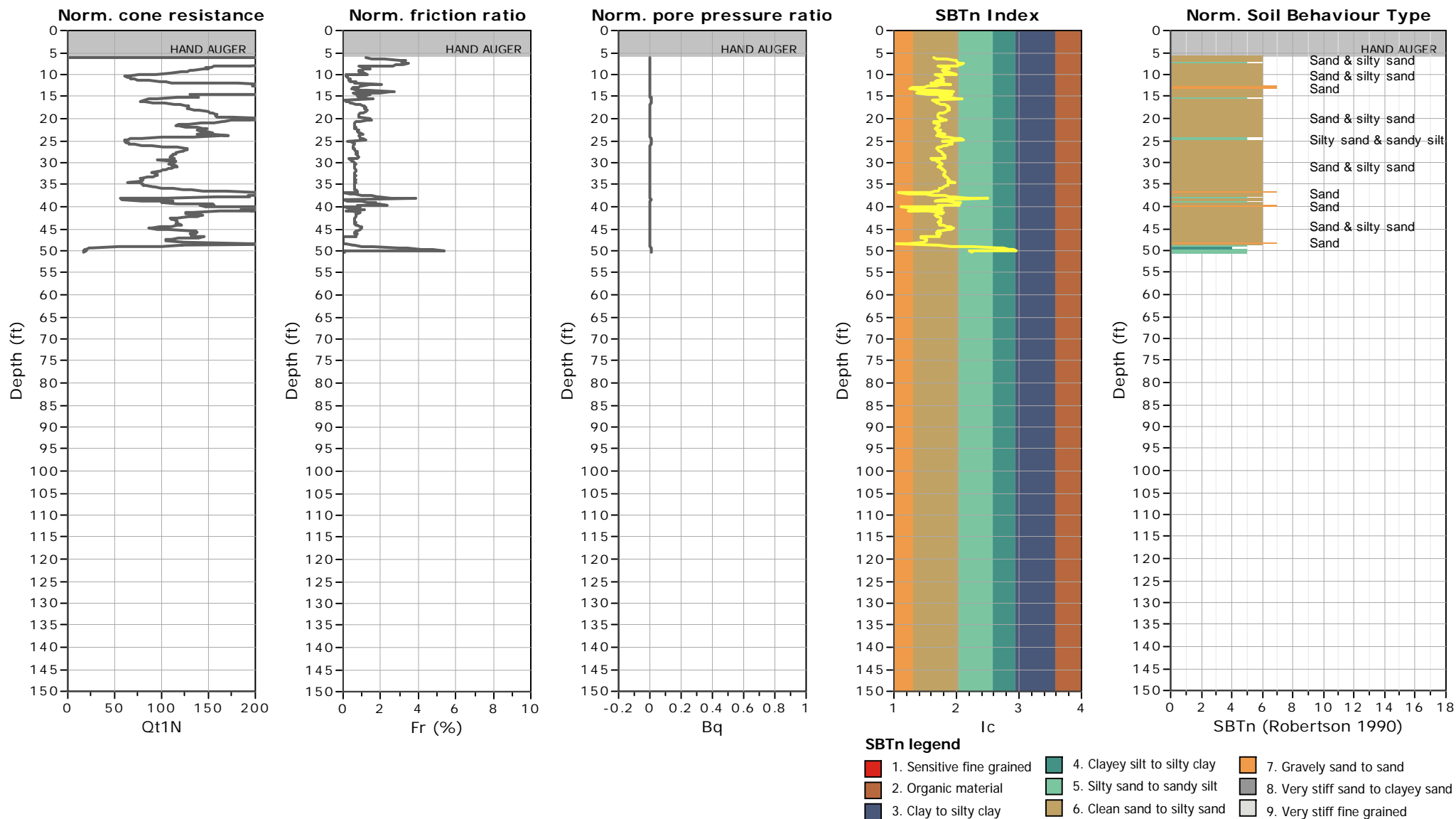
SBT - Bq plots (normalized)



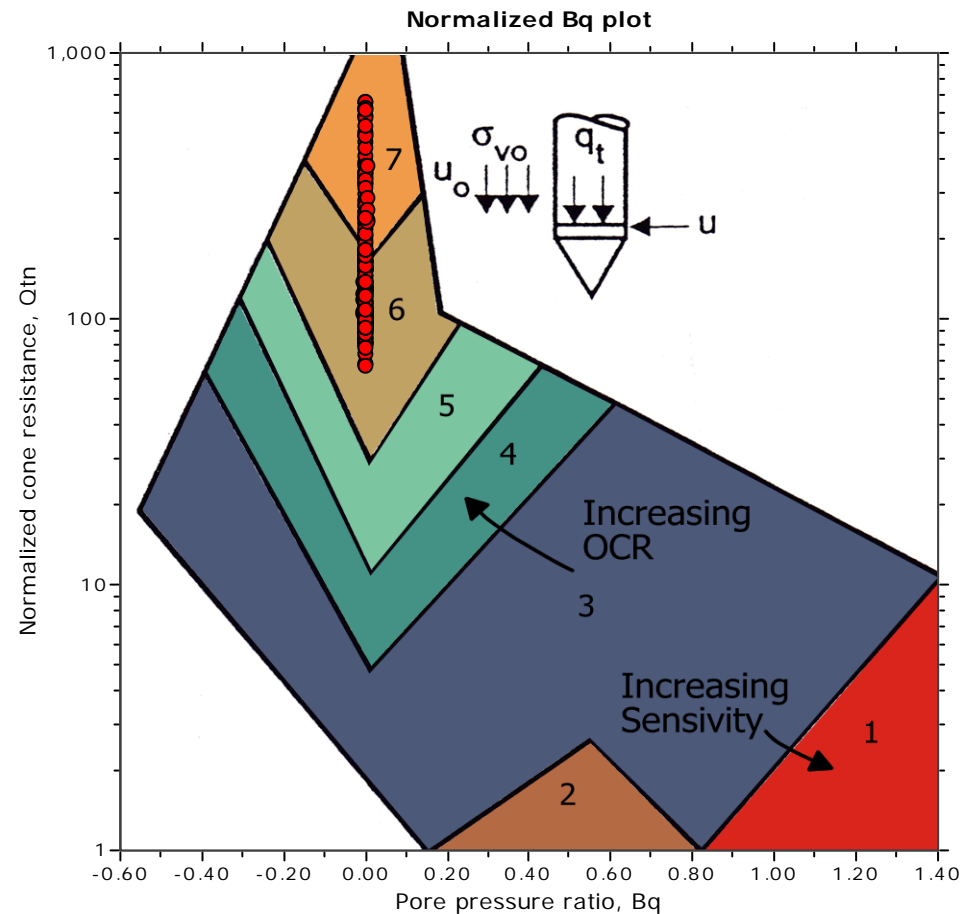
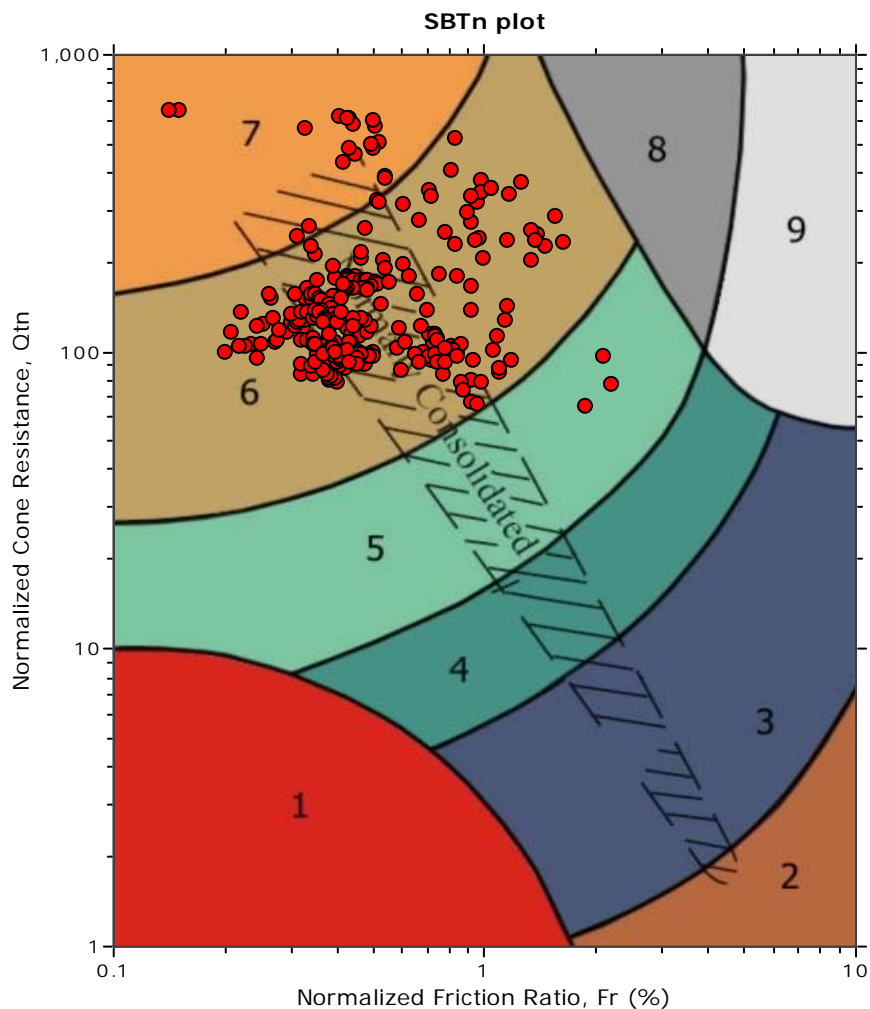
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



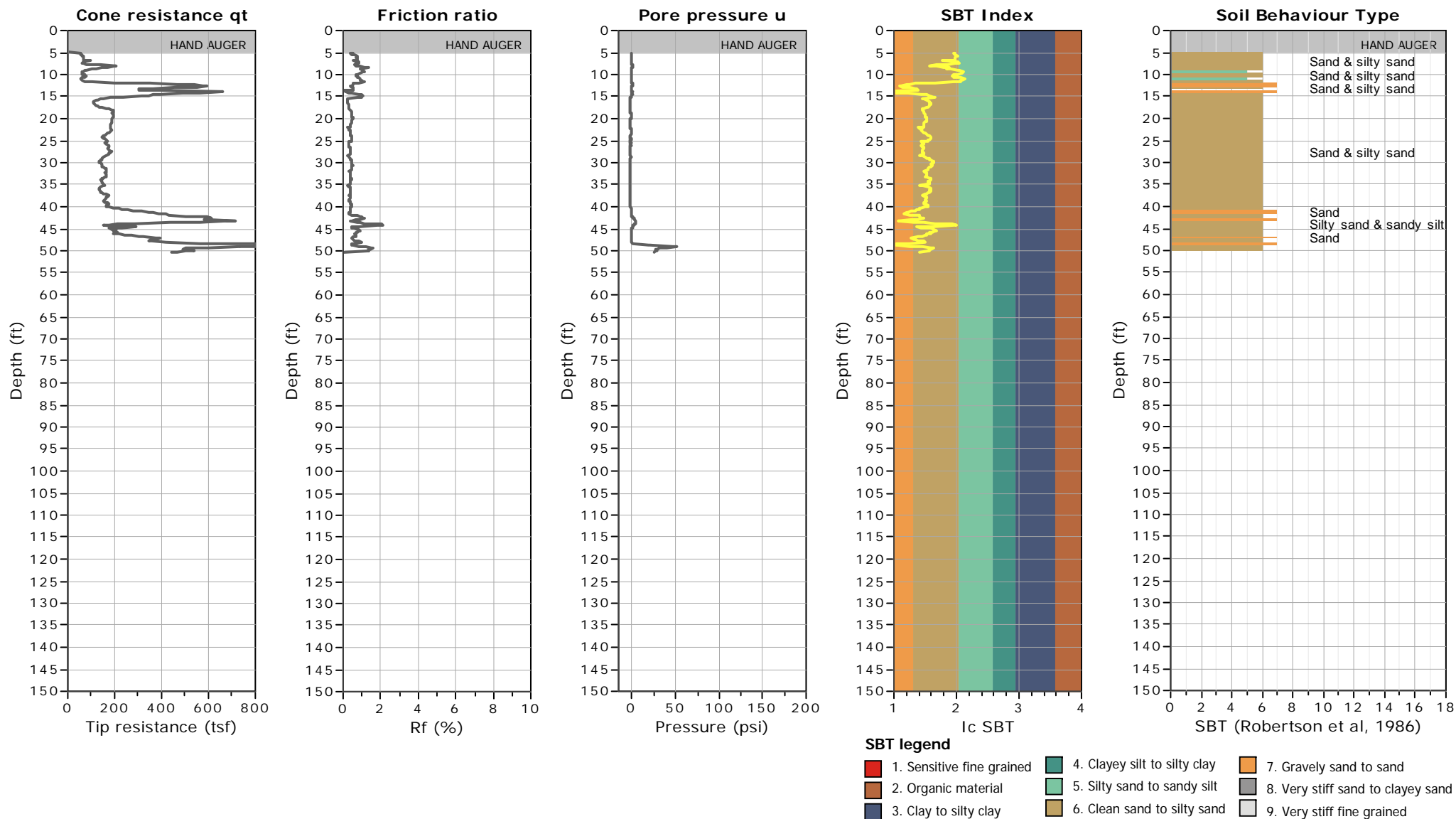


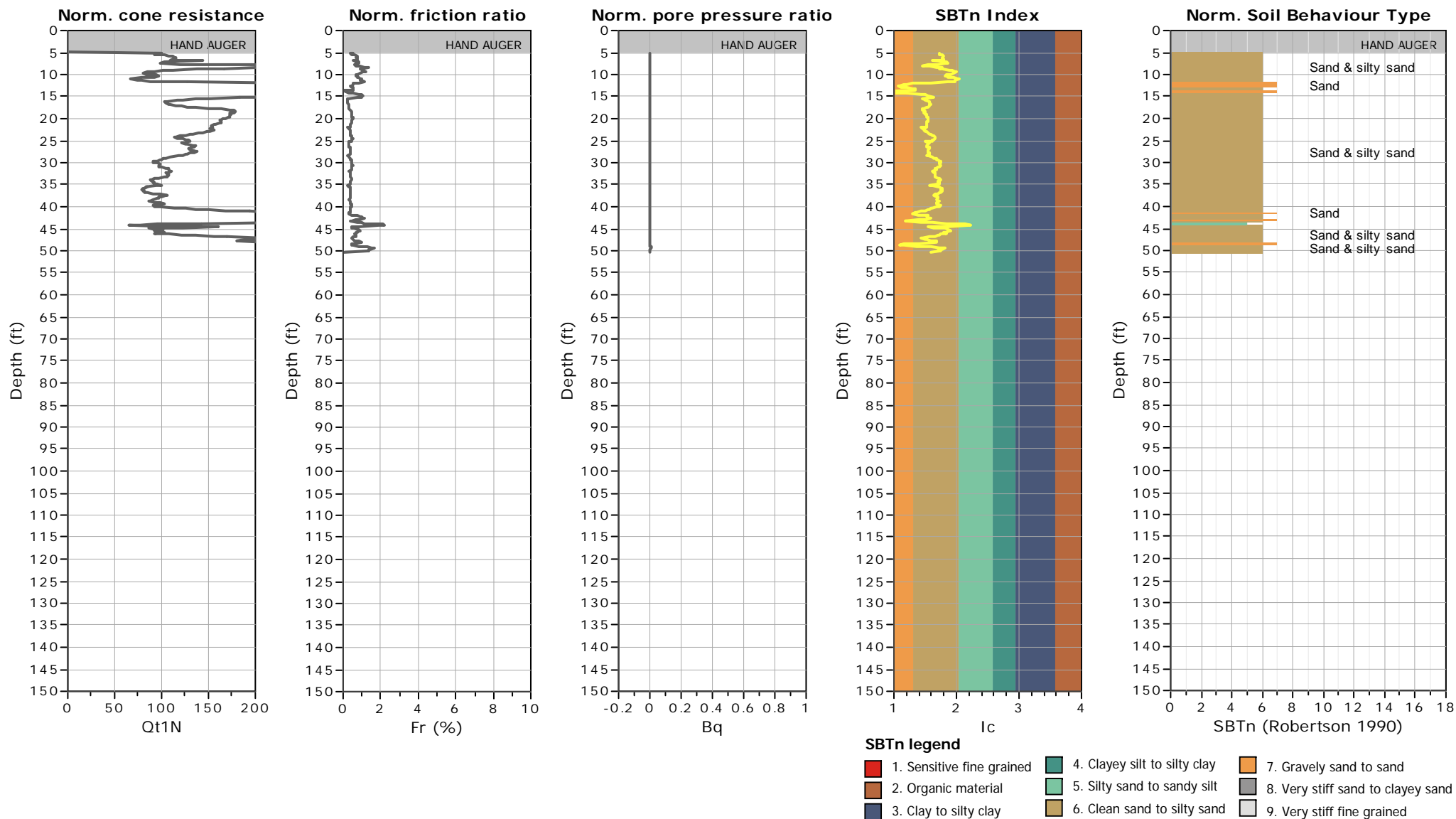
SBT - Bq plots (normalized)



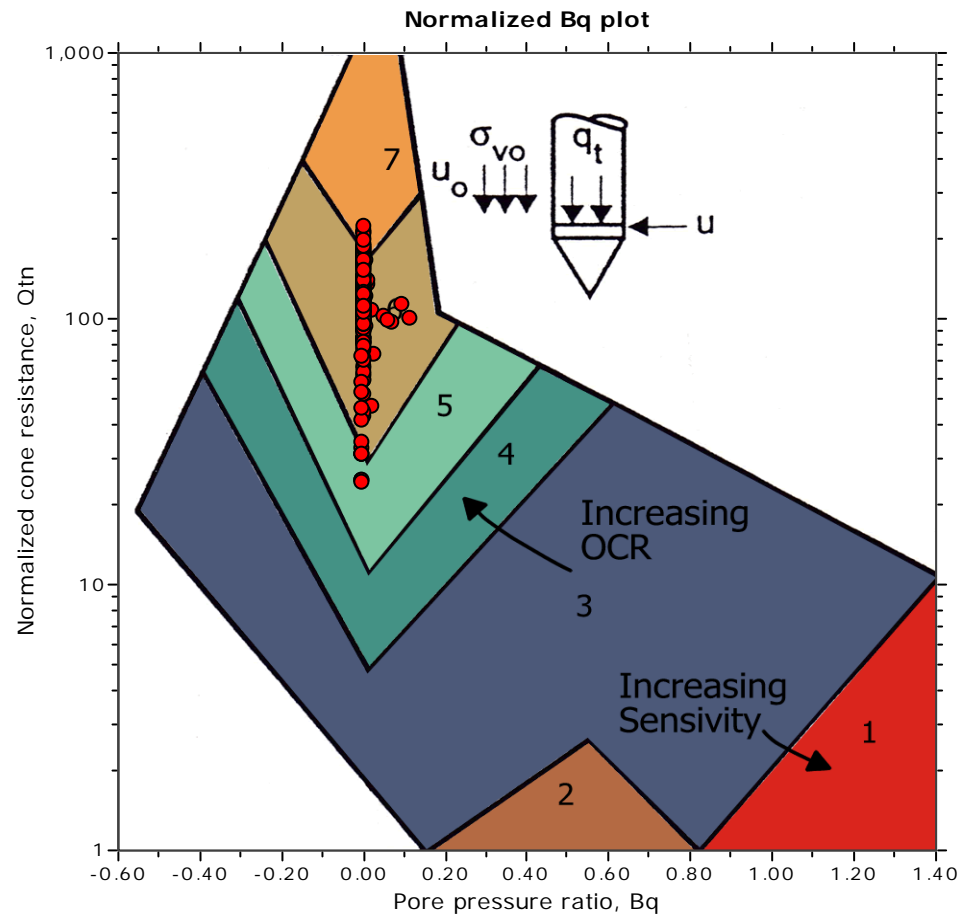
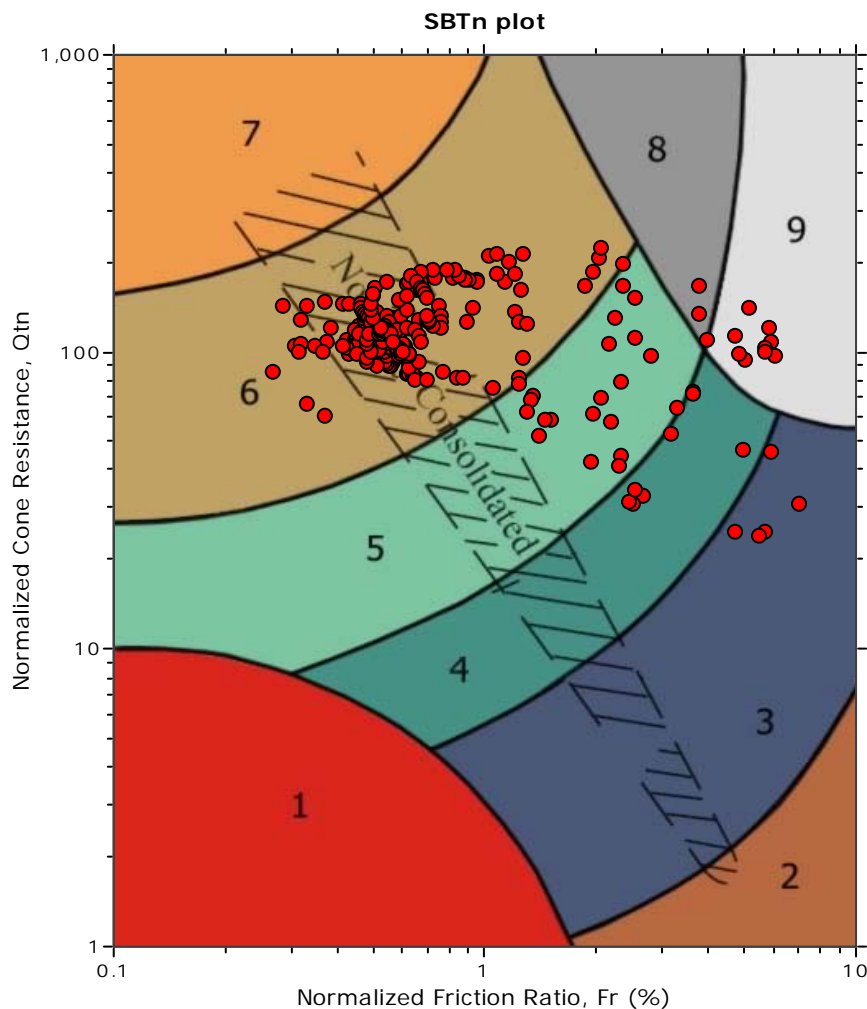
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



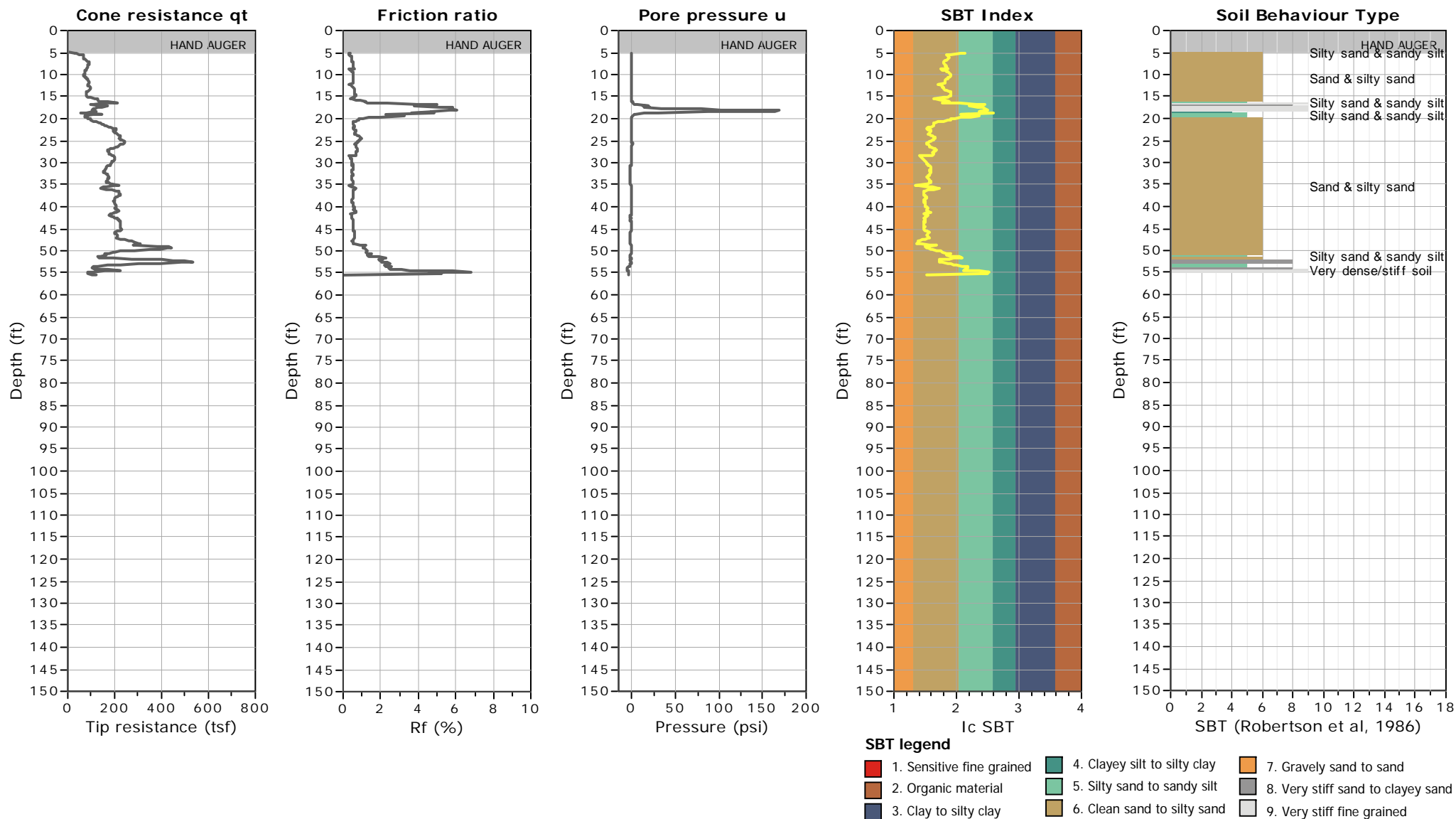


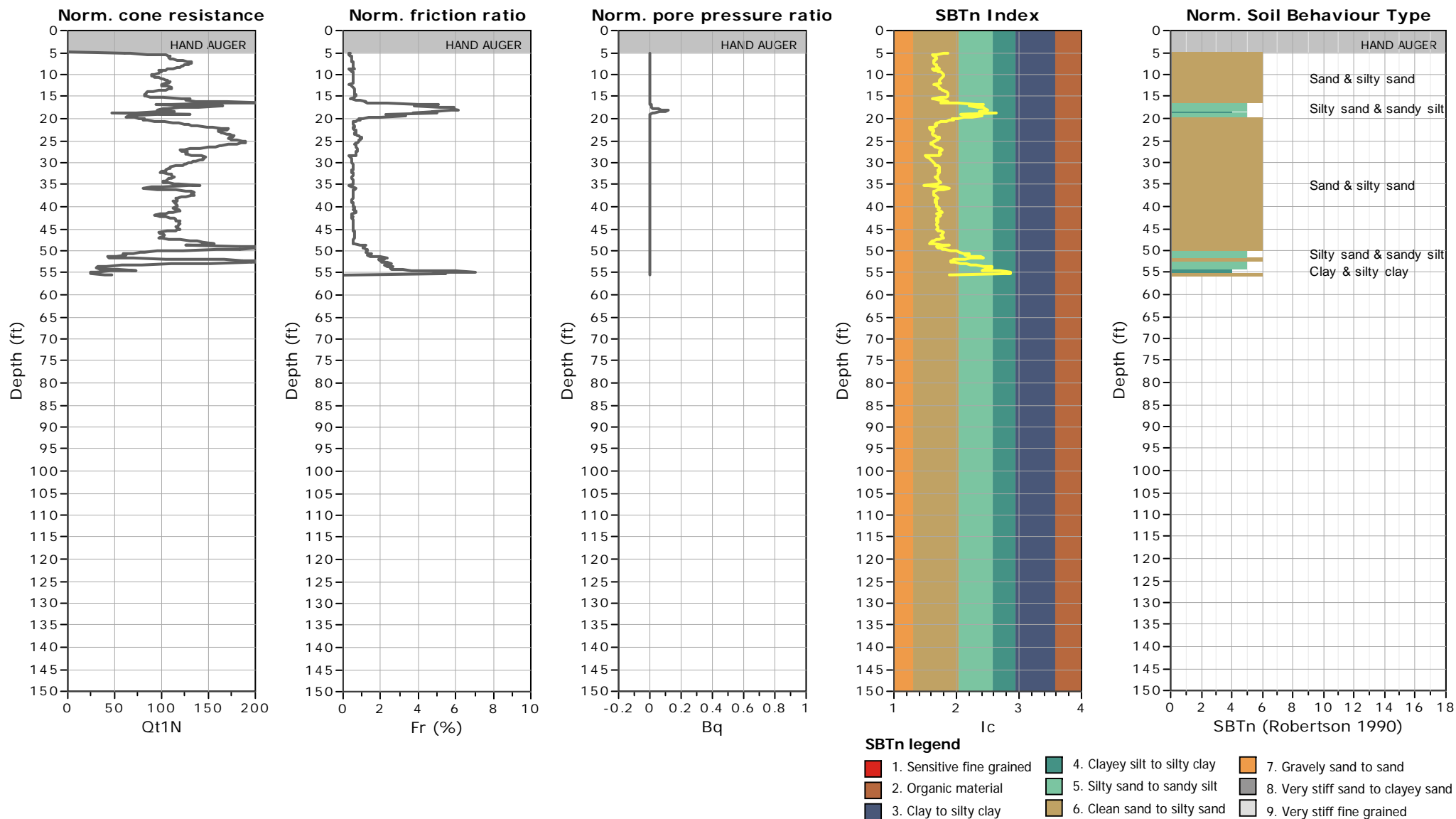
SBT - Bq plots (normalized)



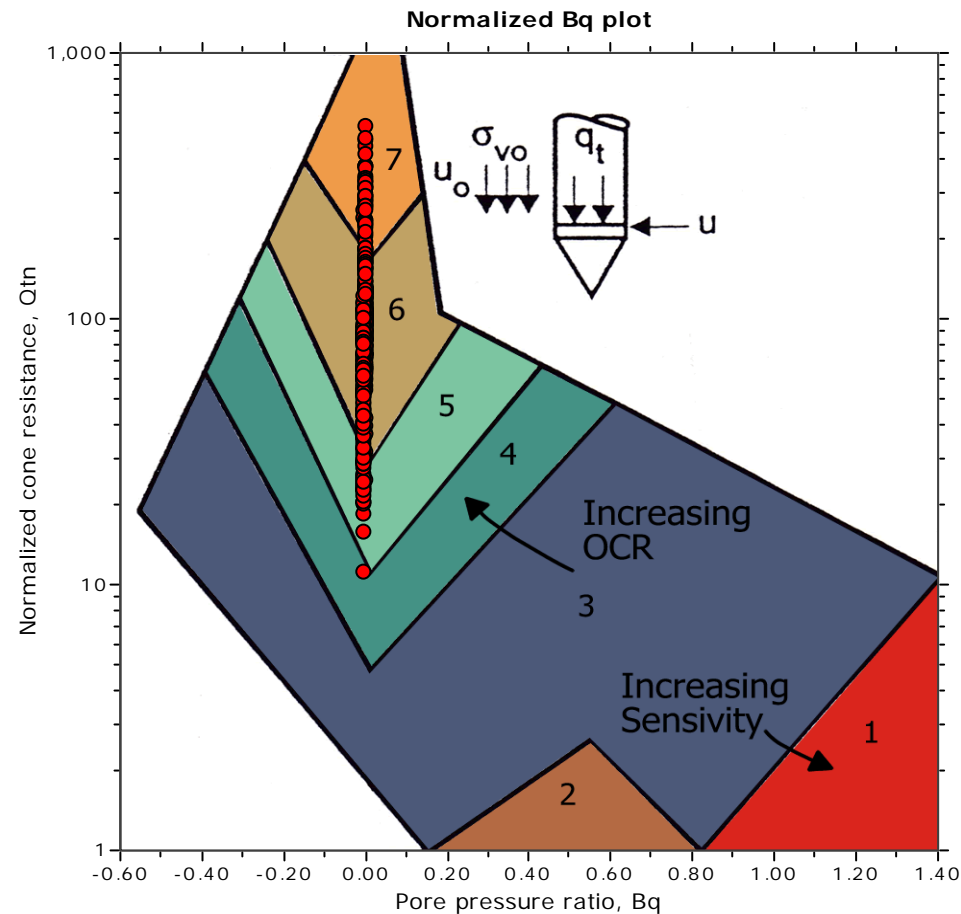
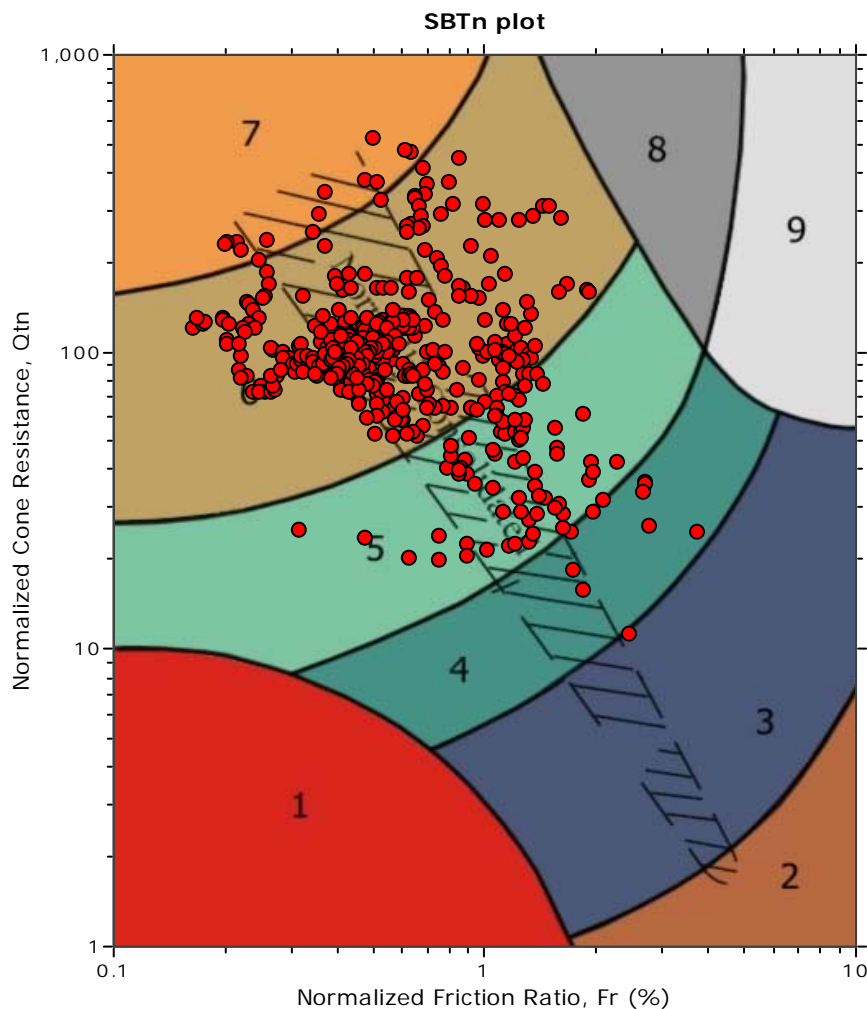
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



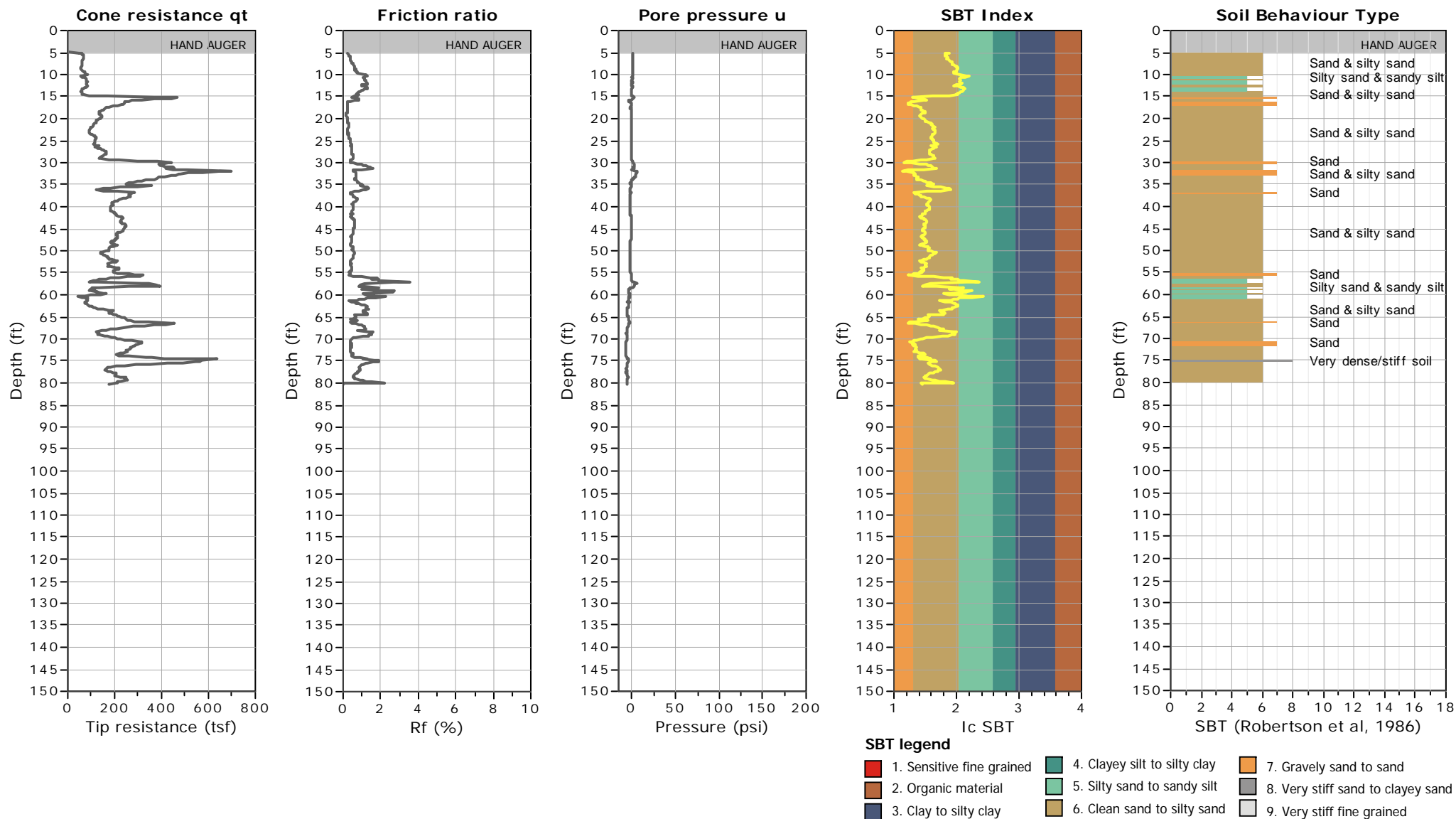


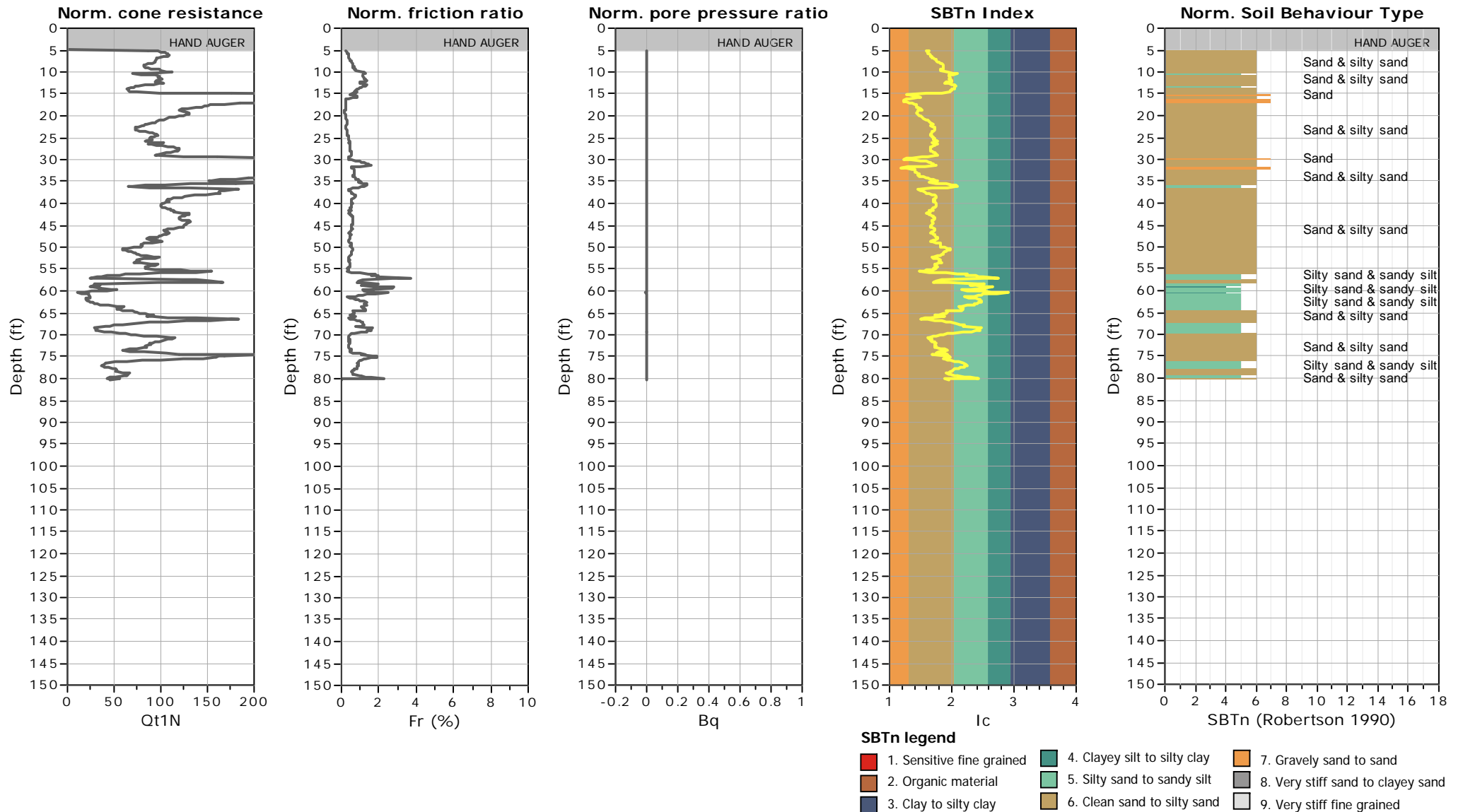
SBT - Bq plots (normalized)



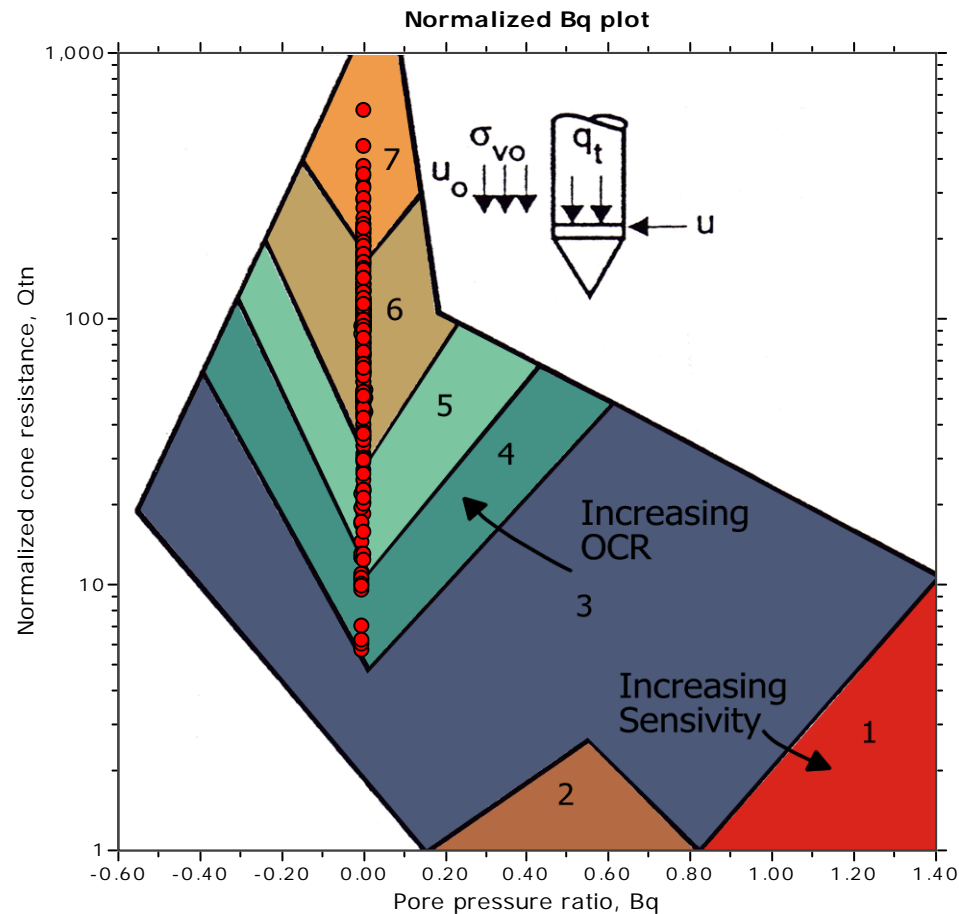
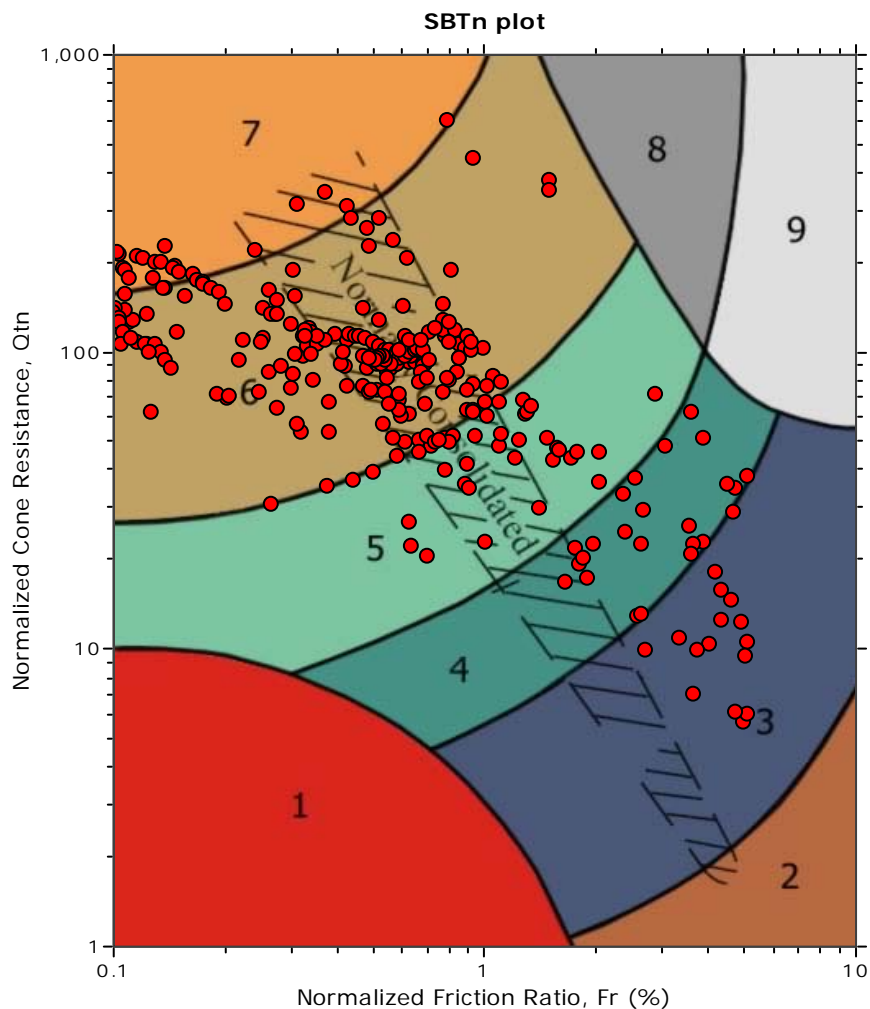
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



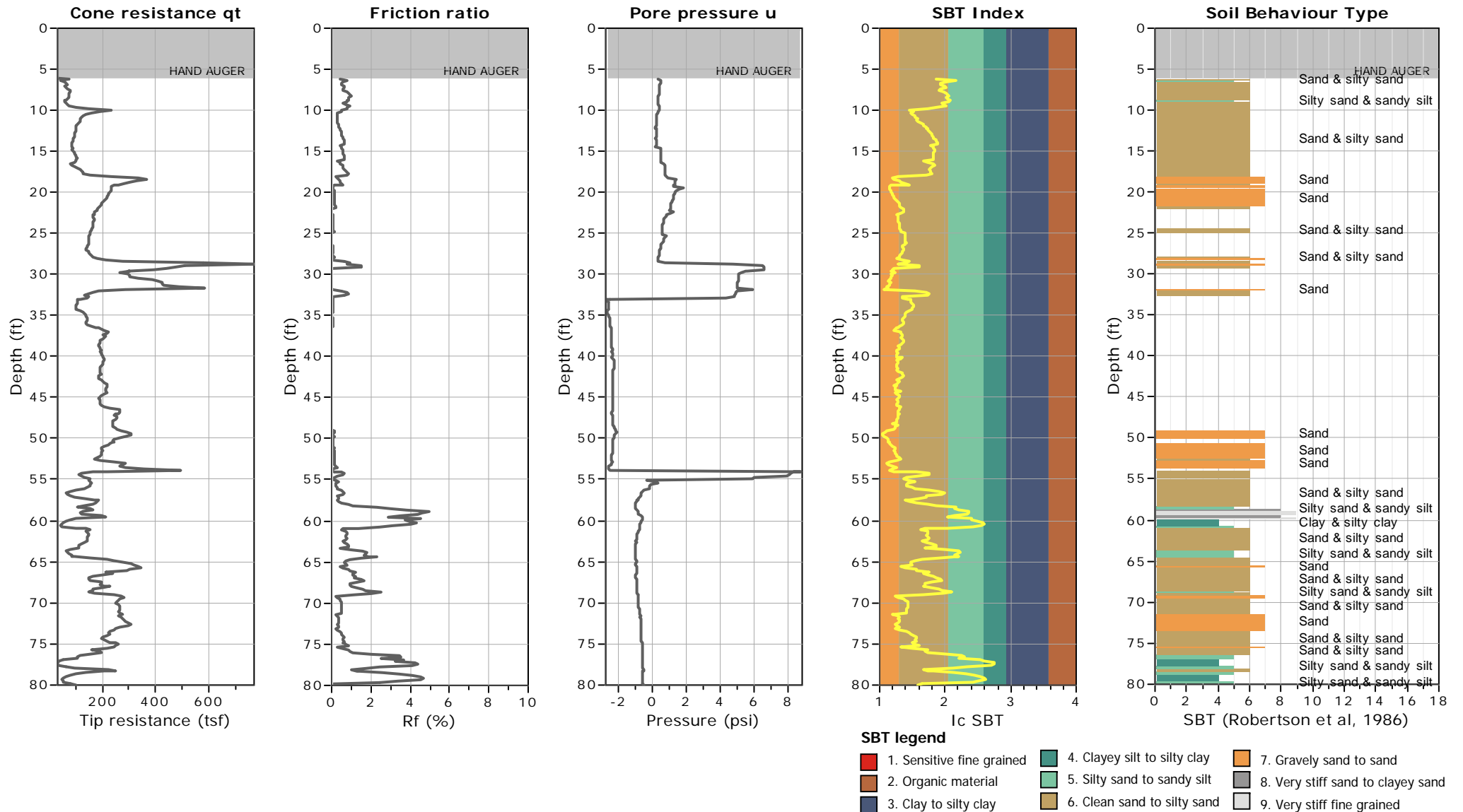


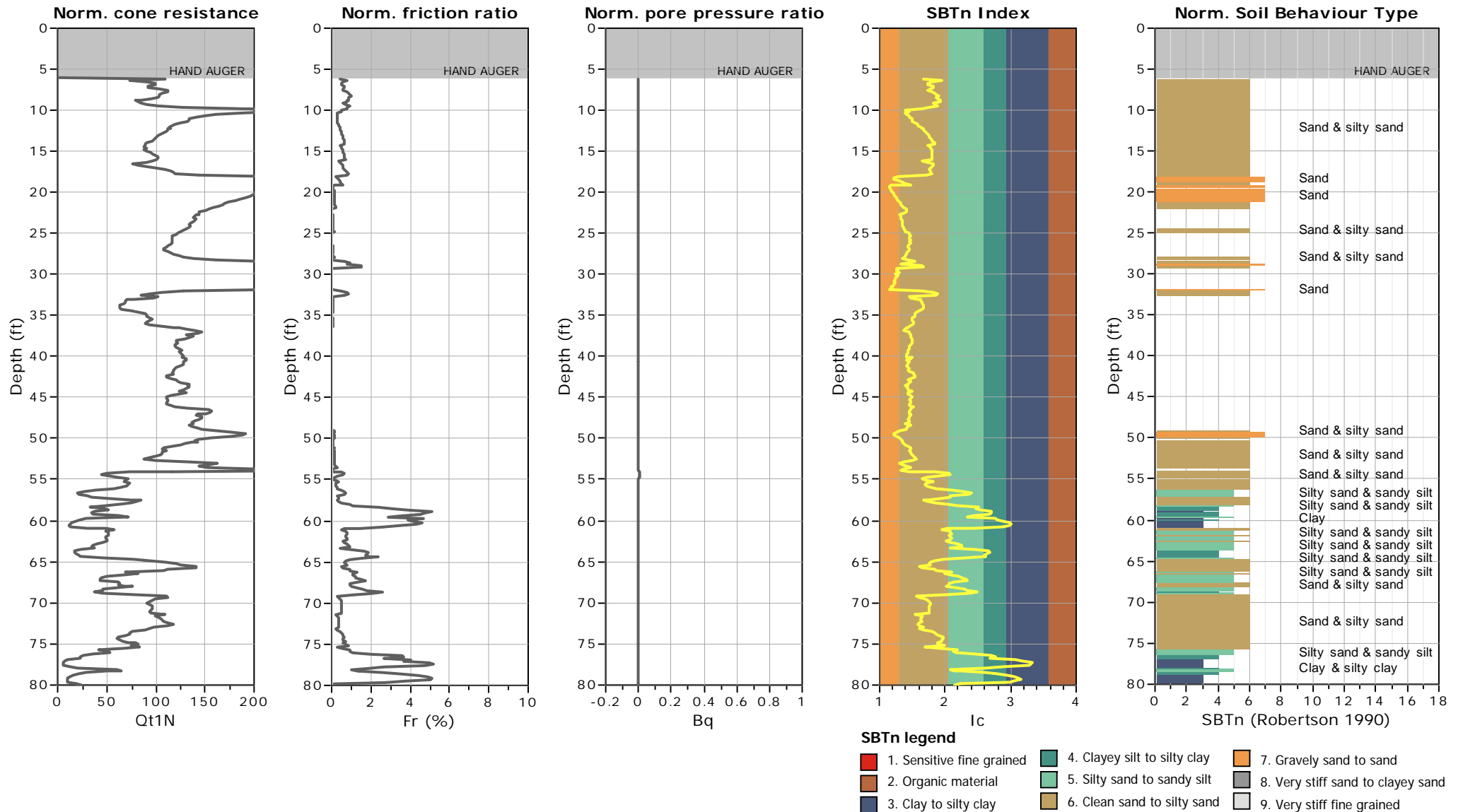
SBT - Bq plots (normalized)



SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |



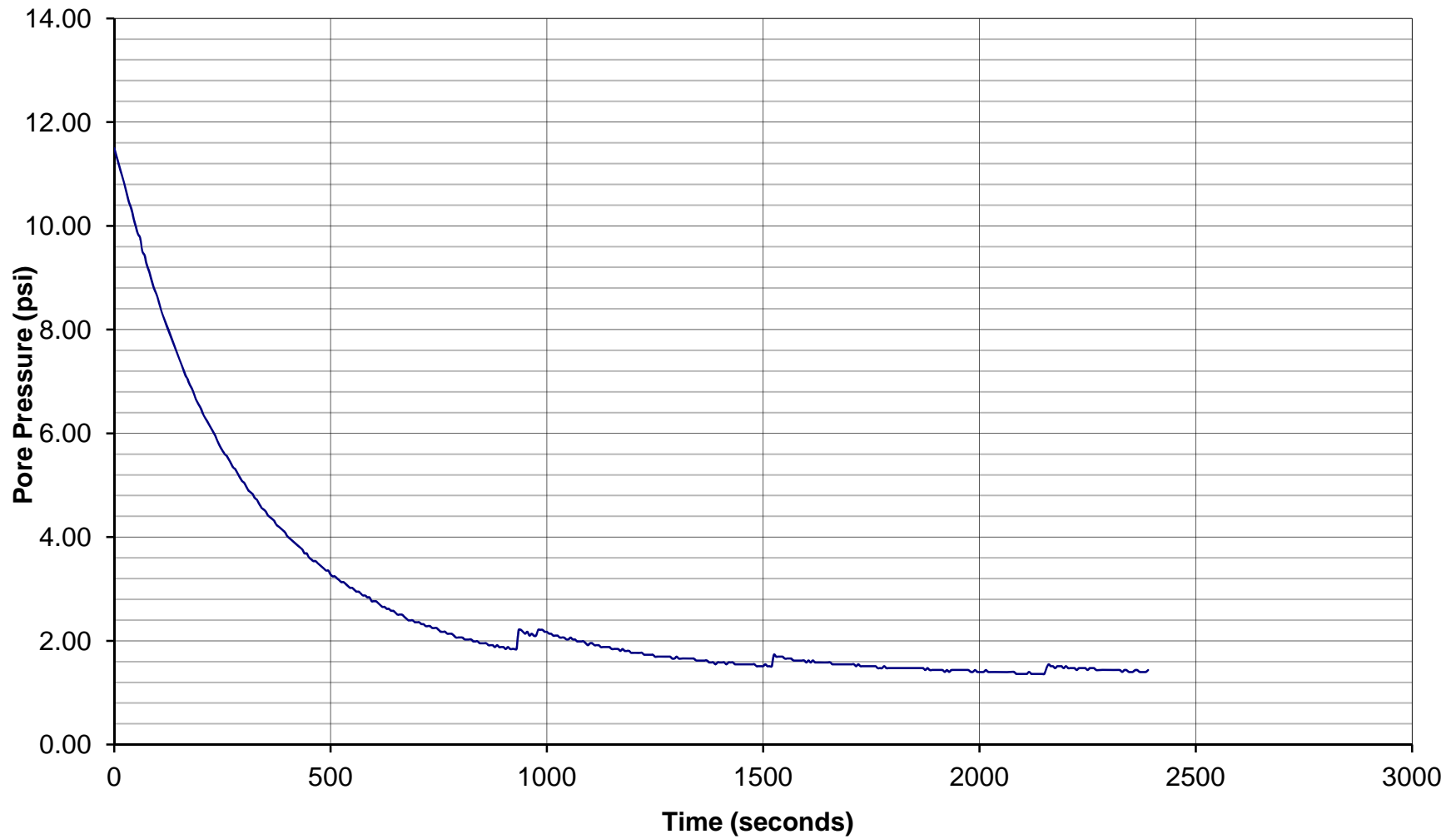




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0001CPT
Depth: 50.03 feet
Site: Fresno
Engineer: B. Kluzniak





GREGG DRILLING & TESTING

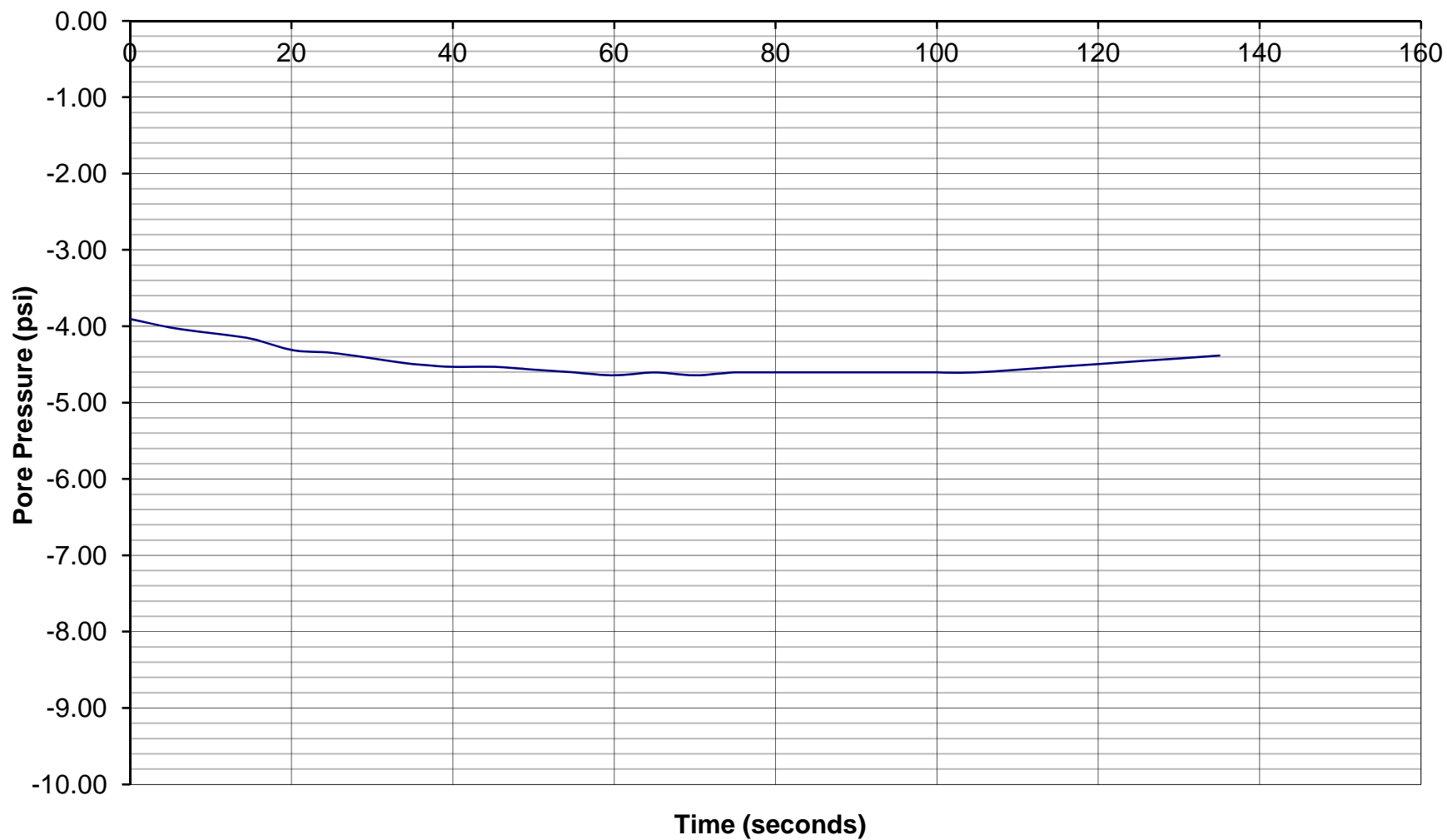
Pore Pressure Dissipation Test

Sounding: S0005CPT

Depth: 76.77 feet

Site: Fresno

Engineer: B. Kluzniak

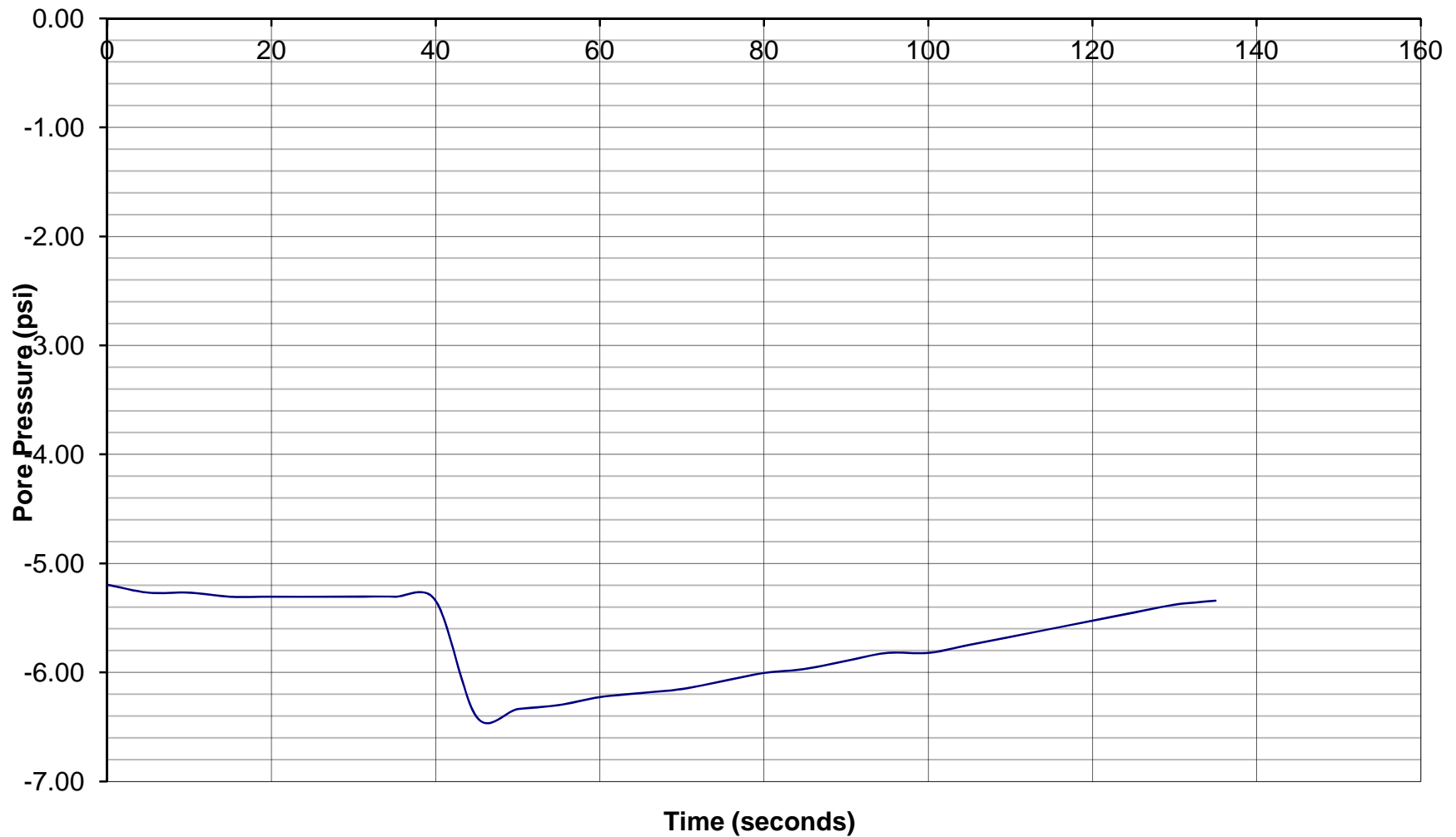




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0006CPT
Depth: 80.05 feet
Site: Fresno
Engineer: B. Kluzniak

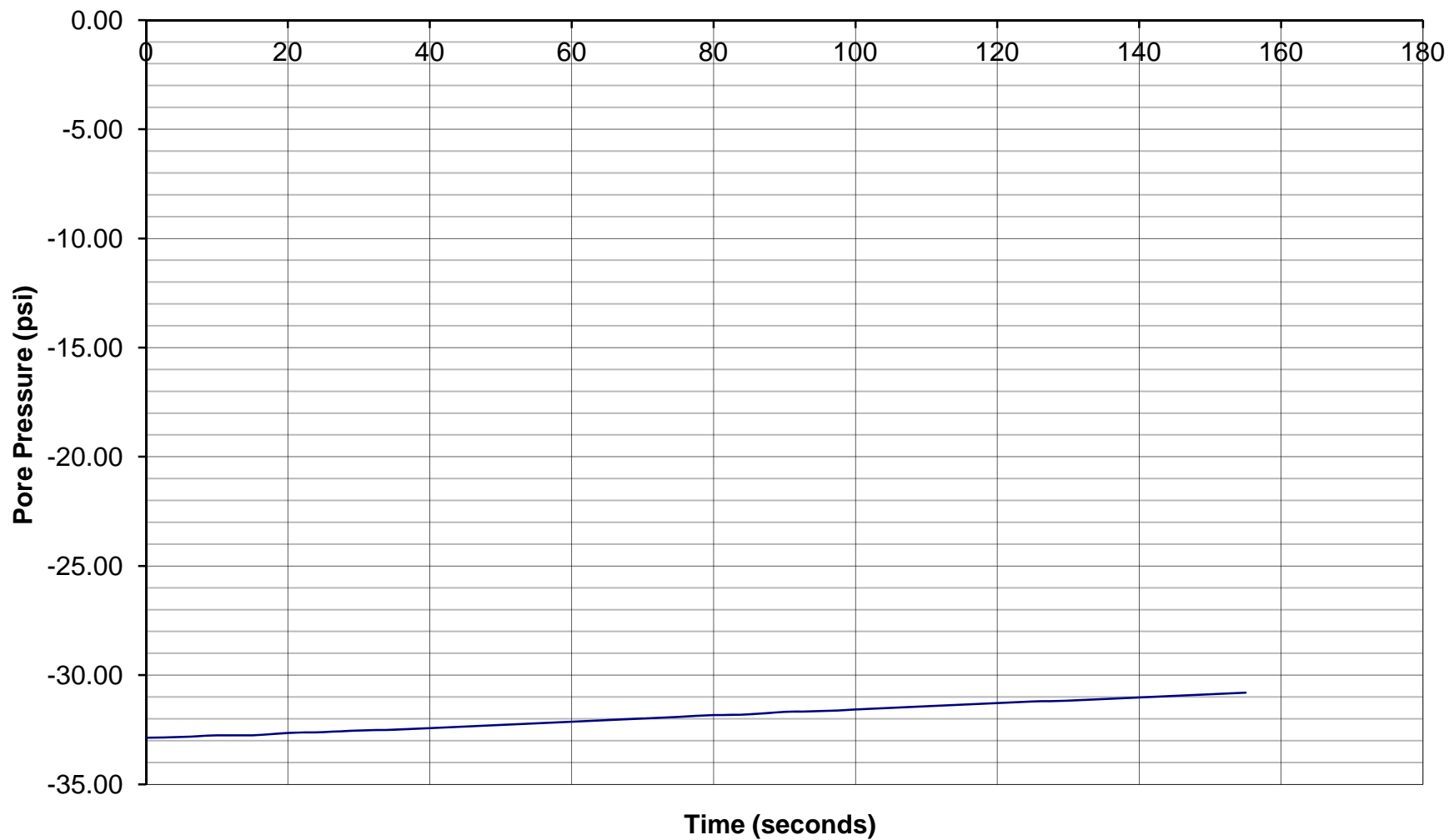




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0008ACPT
Depth: 99.41 feet
Site: Fresno
Engineer: B. Kluzniak

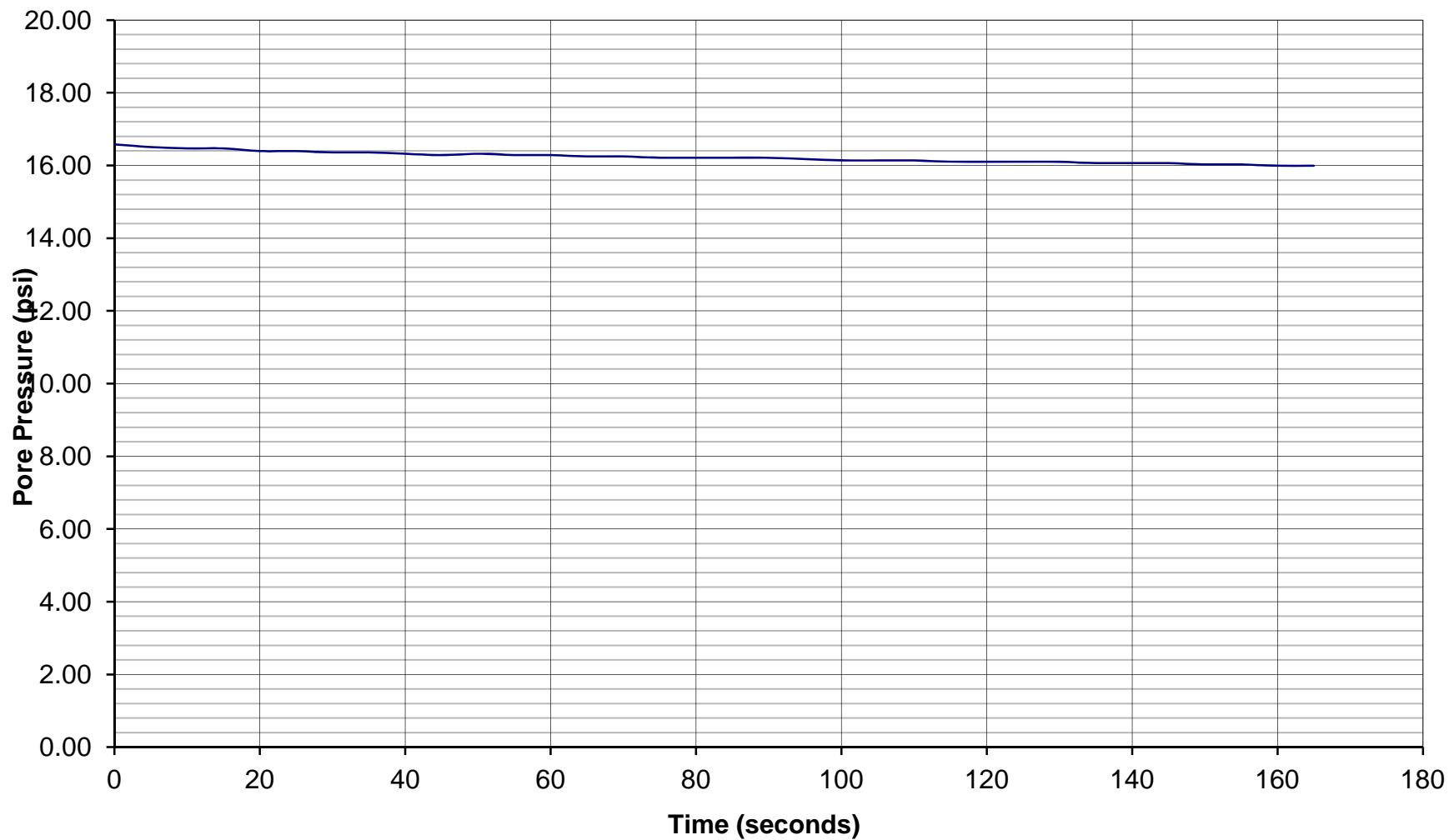




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0009CPT
Depth: 104.99 feet
Site: Fresno
Engineer: B. Kluzniak

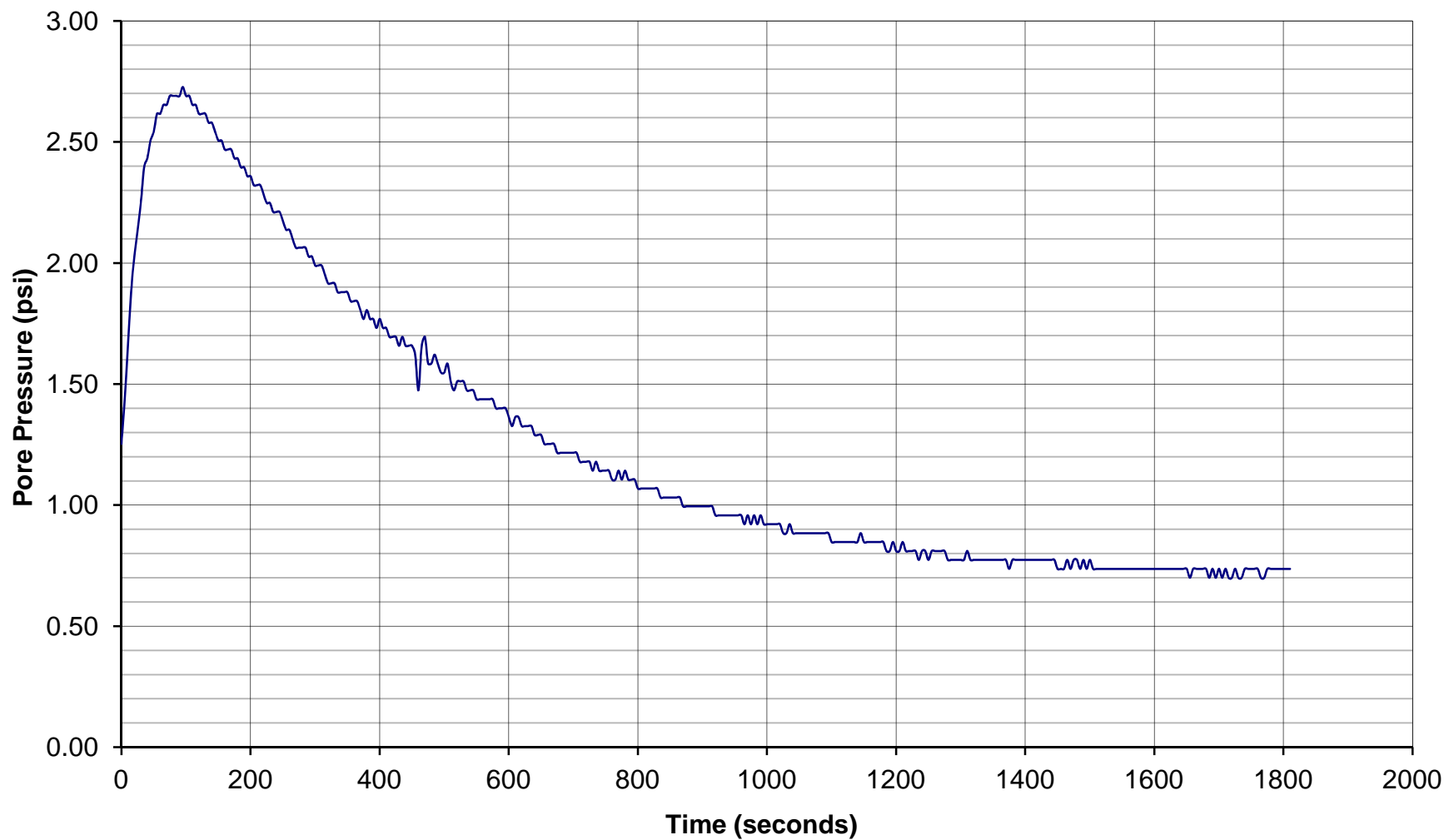




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0009CPT
Depth: 105.81 feet
Site: Fresno
Engineer: B. Kluzniak





GREGG DRILLING & TESTING

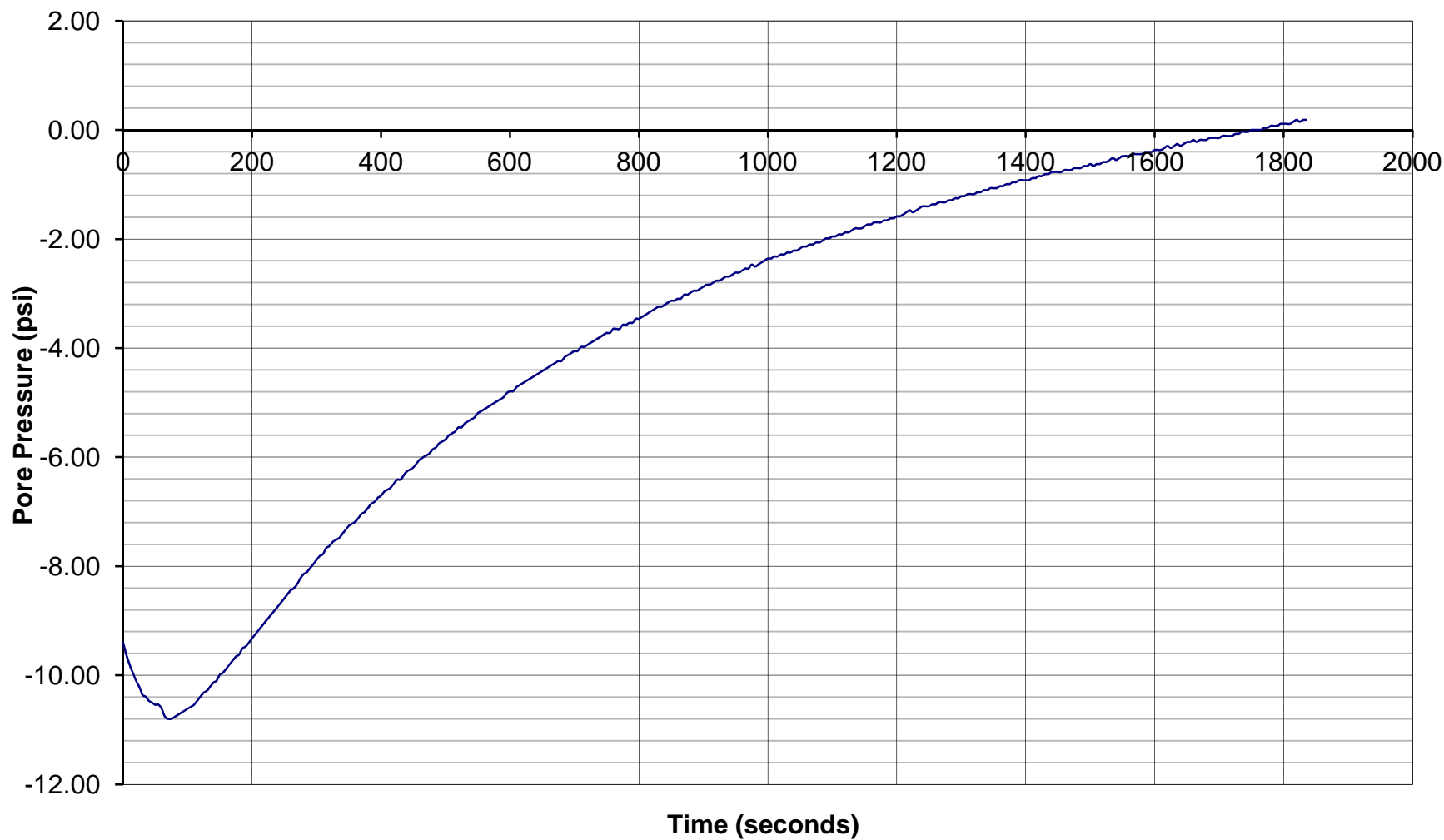
Pore Pressure Dissipation Test

Sounding: S0012CPT

Depth: 102.2 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

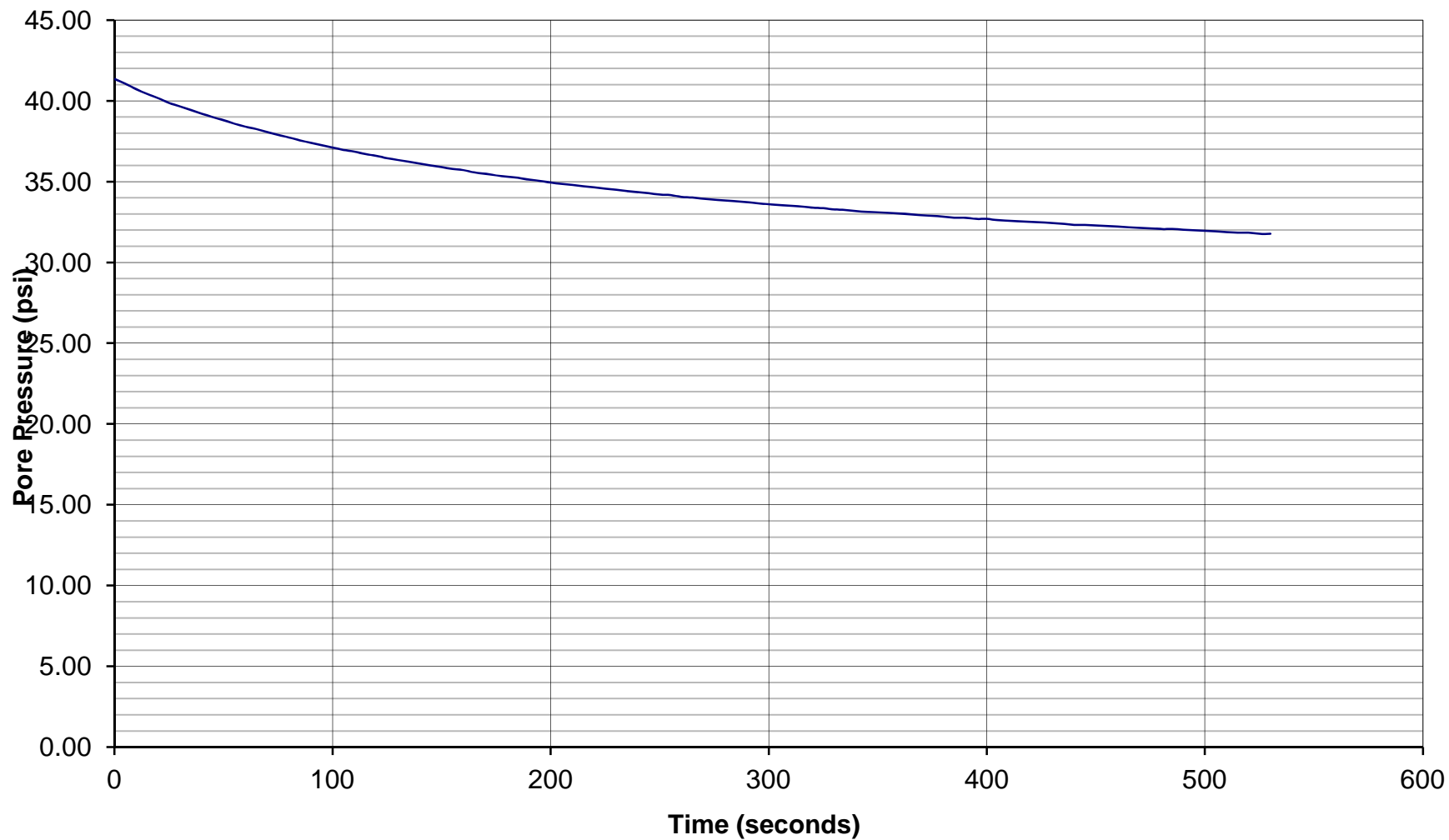
Pore Pressure Dissipation Test

Sounding: S0016CPT

Depth: 50.36 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

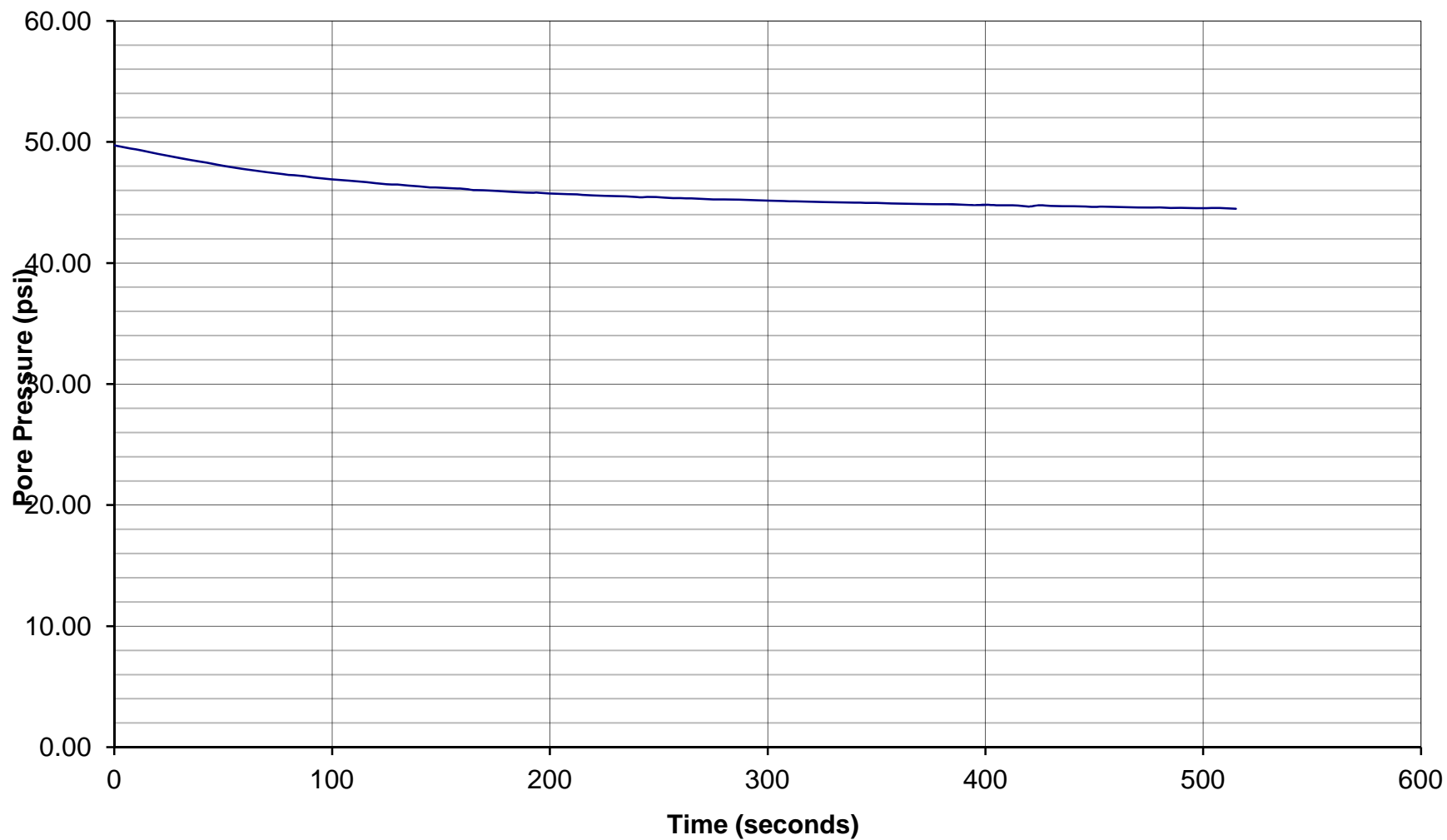
Pore Pressure Dissipation Test

Sounding: S0022CPT

Depth: 80.05 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

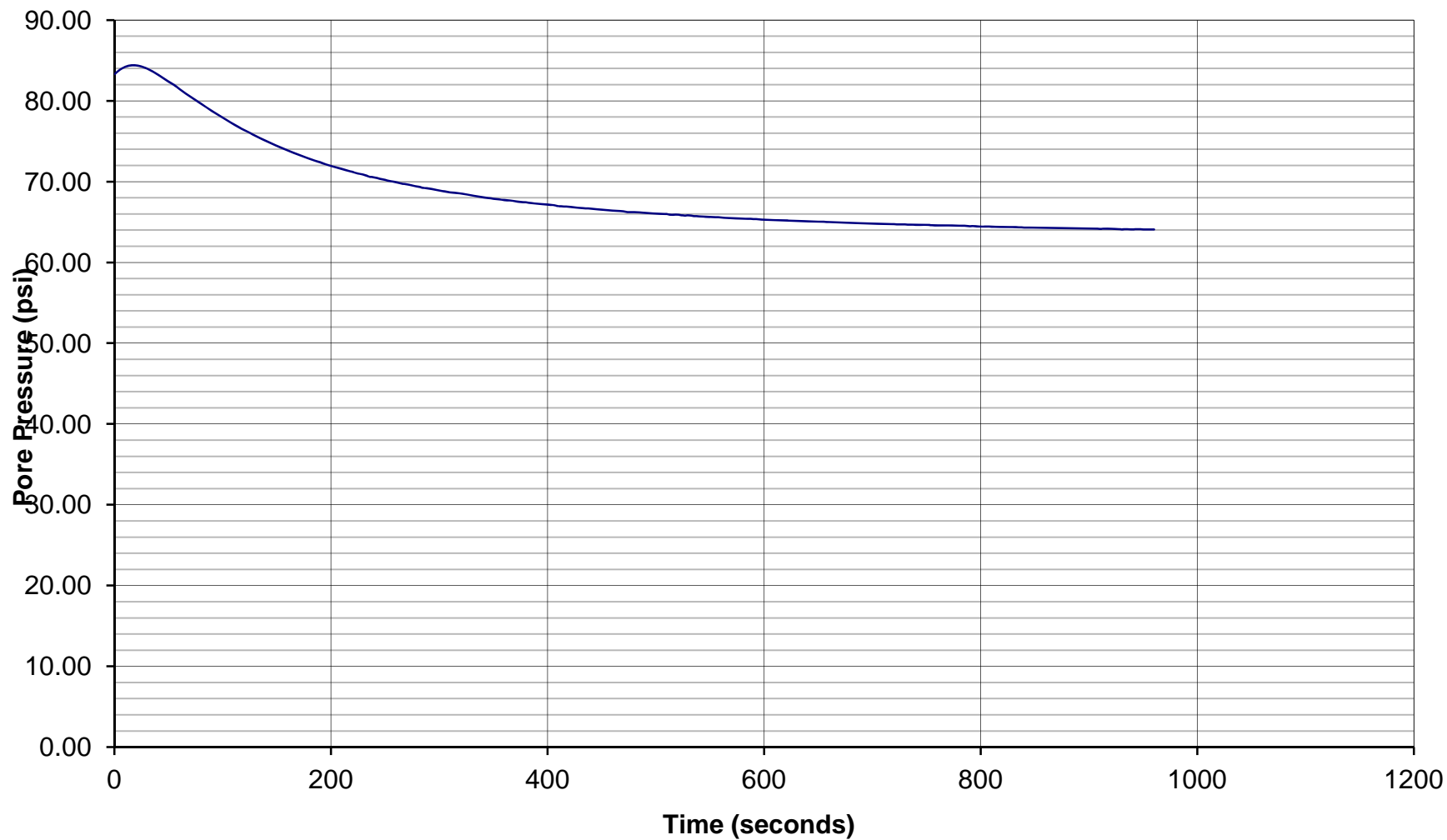
Pore Pressure Dissipation Test

Sounding: S0023ACPT

Depth: 113.52 feet

Site: Fresno

Engineer: B. Kluzniak

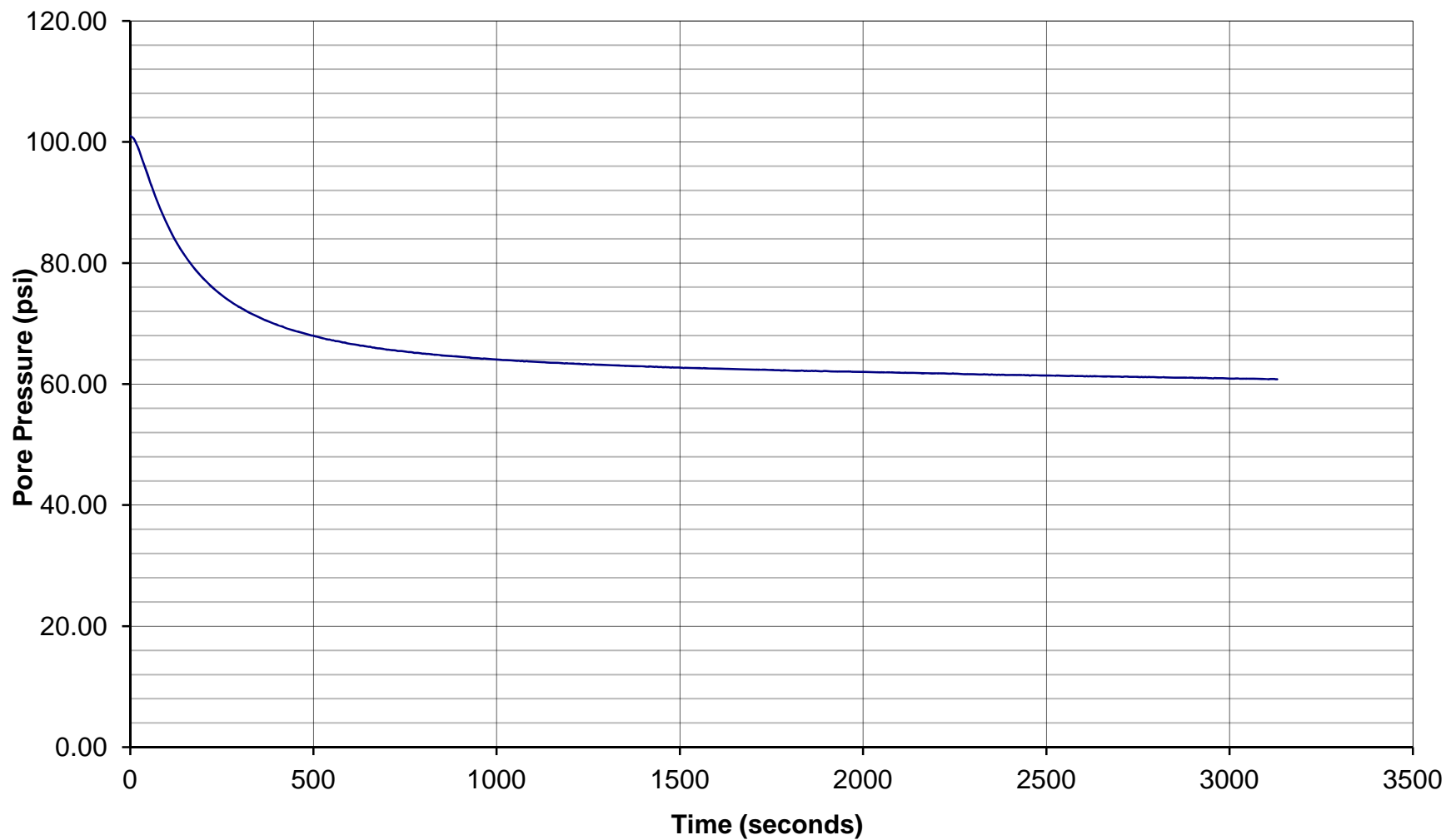




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0023ACPT
Depth: 129.59 feet
Site: Fresno
Engineer: B. Kluzniak

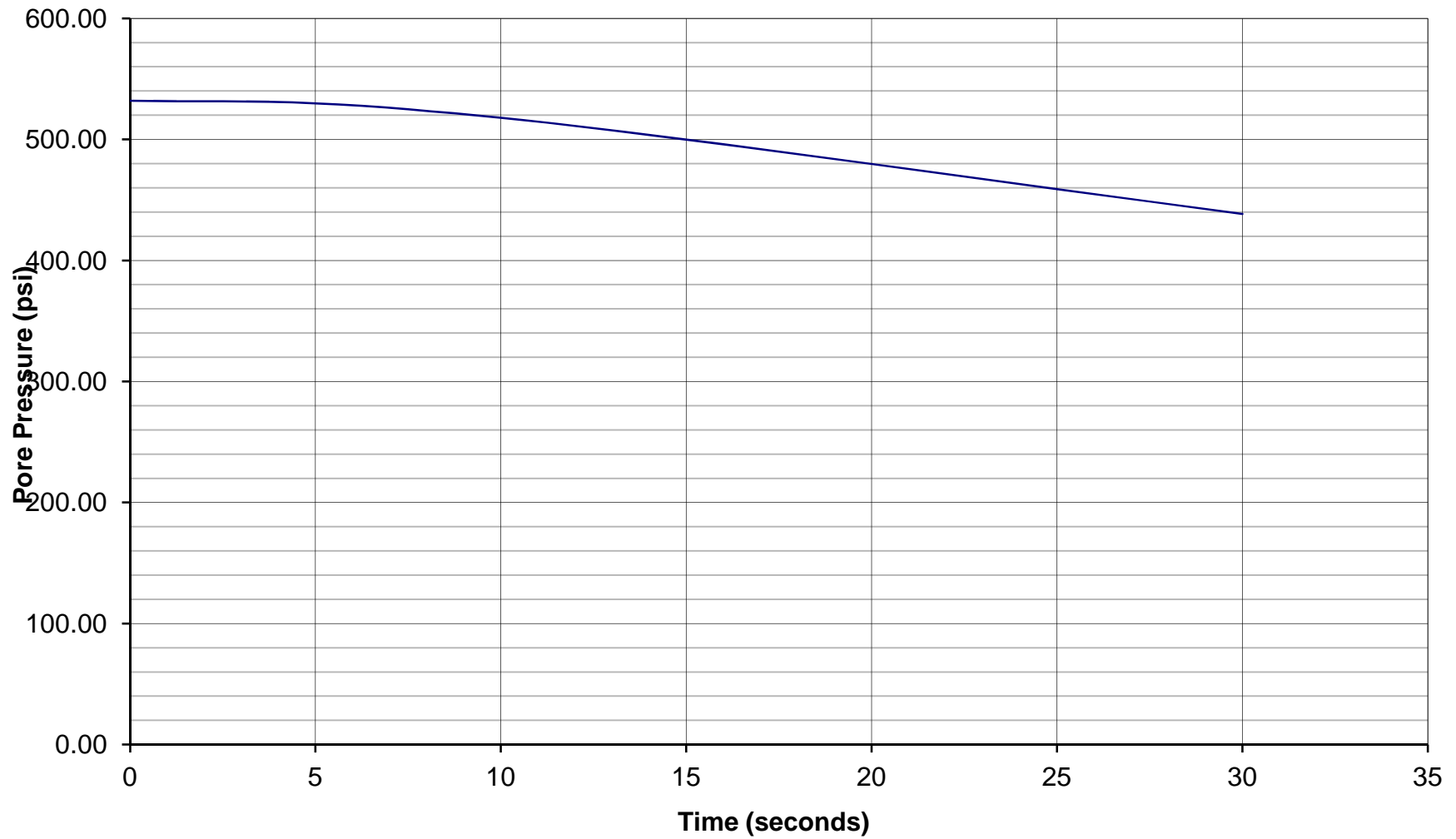




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0023ACPT
Depth: 150.59 feet
Site: Fresno
Engineer: B. Kluzniak





GREGG DRILLING & TESTING

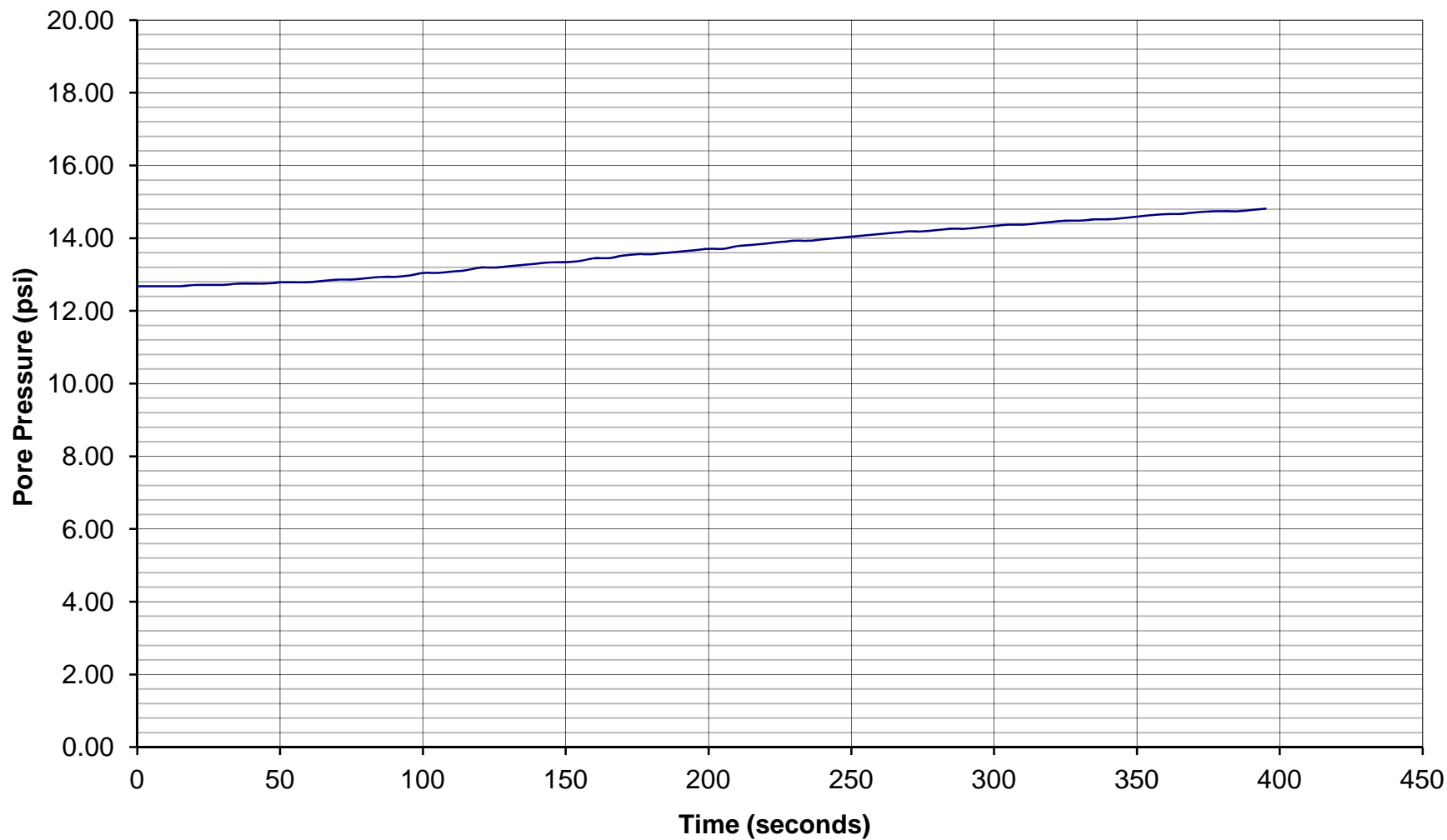
Pore Pressure Dissipation Test

Sounding: S0024CPT

Depth: 80.05 feet

Site: Fresno

Engineer: B. Kluzniak

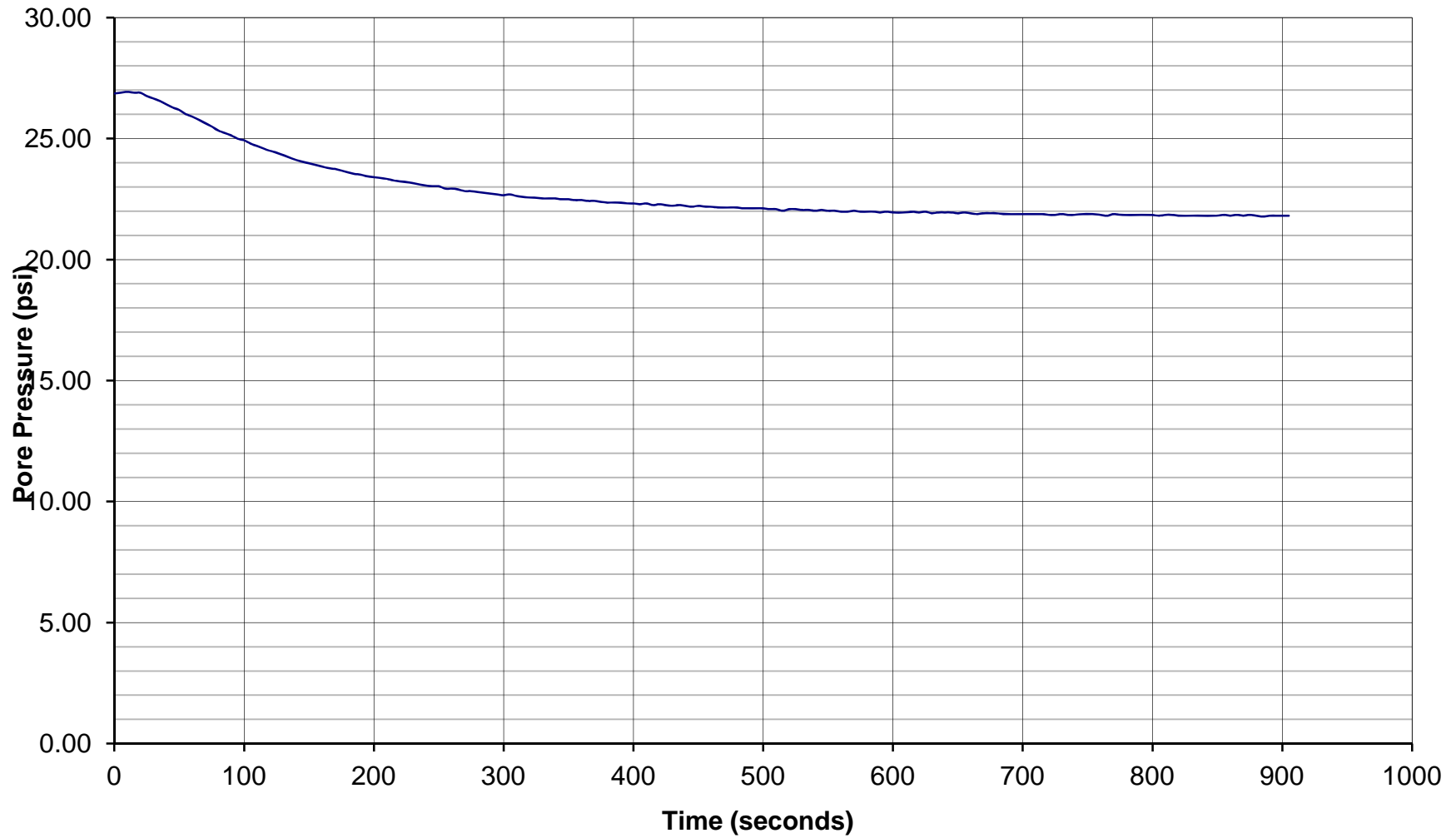




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0025CPT
Depth: 118.44 feet
Site: Fresno
Engineer: B. Kluzniak





GREGG DRILLING & TESTING

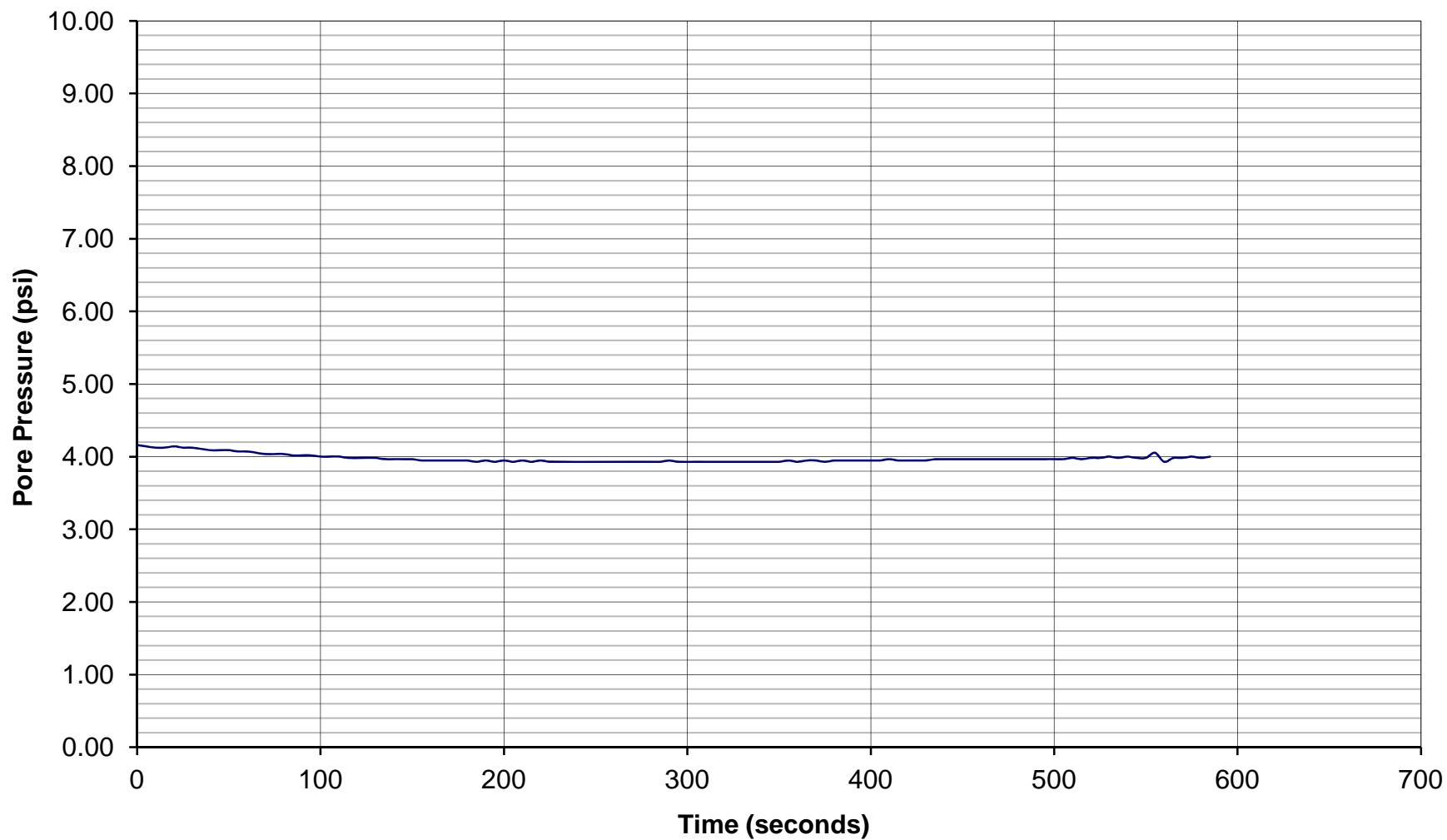
Pore Pressure Dissipation Test

Sounding: S0029CPT

Depth: 80.05 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

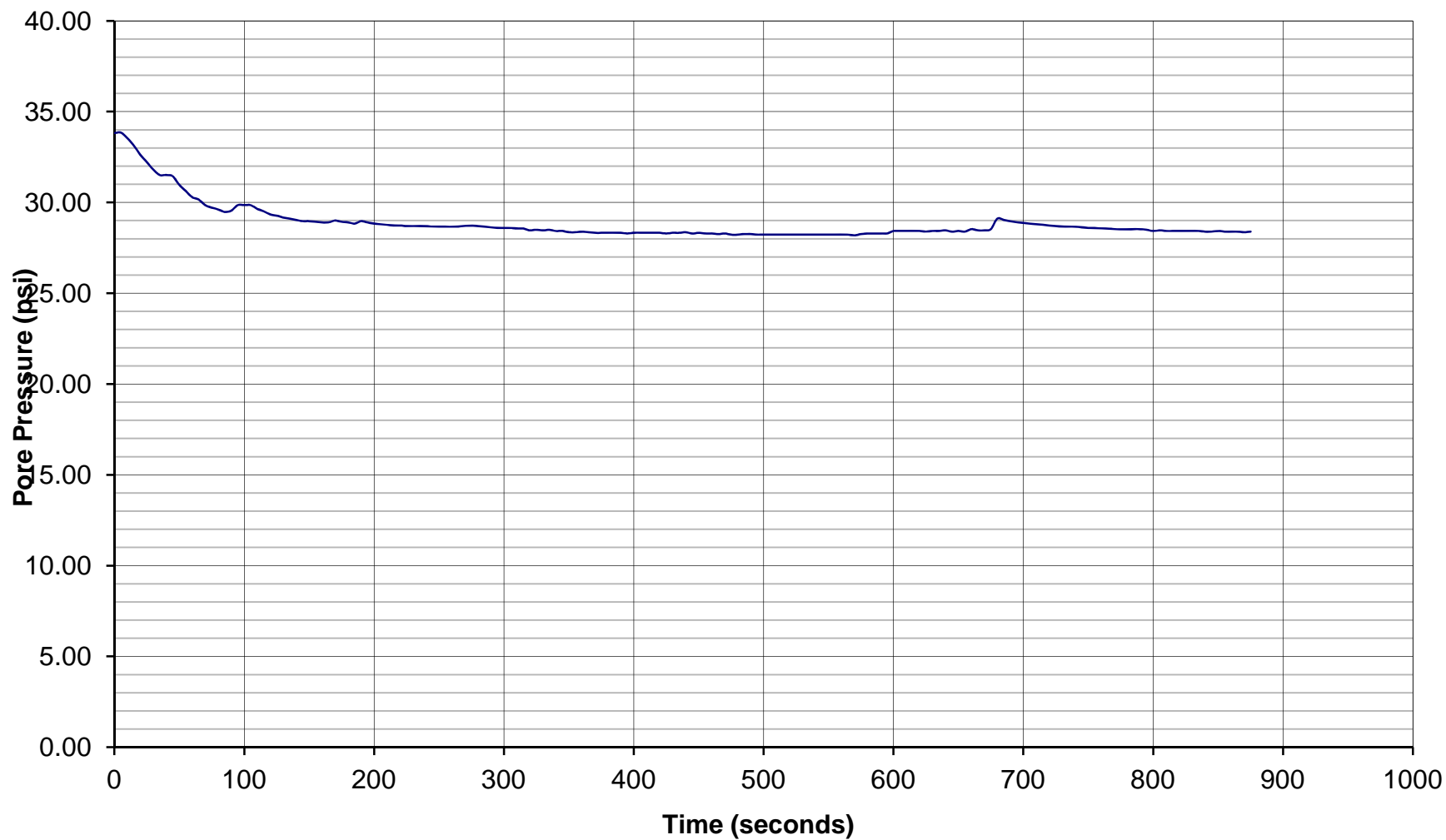
Pore Pressure Dissipation Test

Sounding: S0031CPT

Depth: 150.43 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

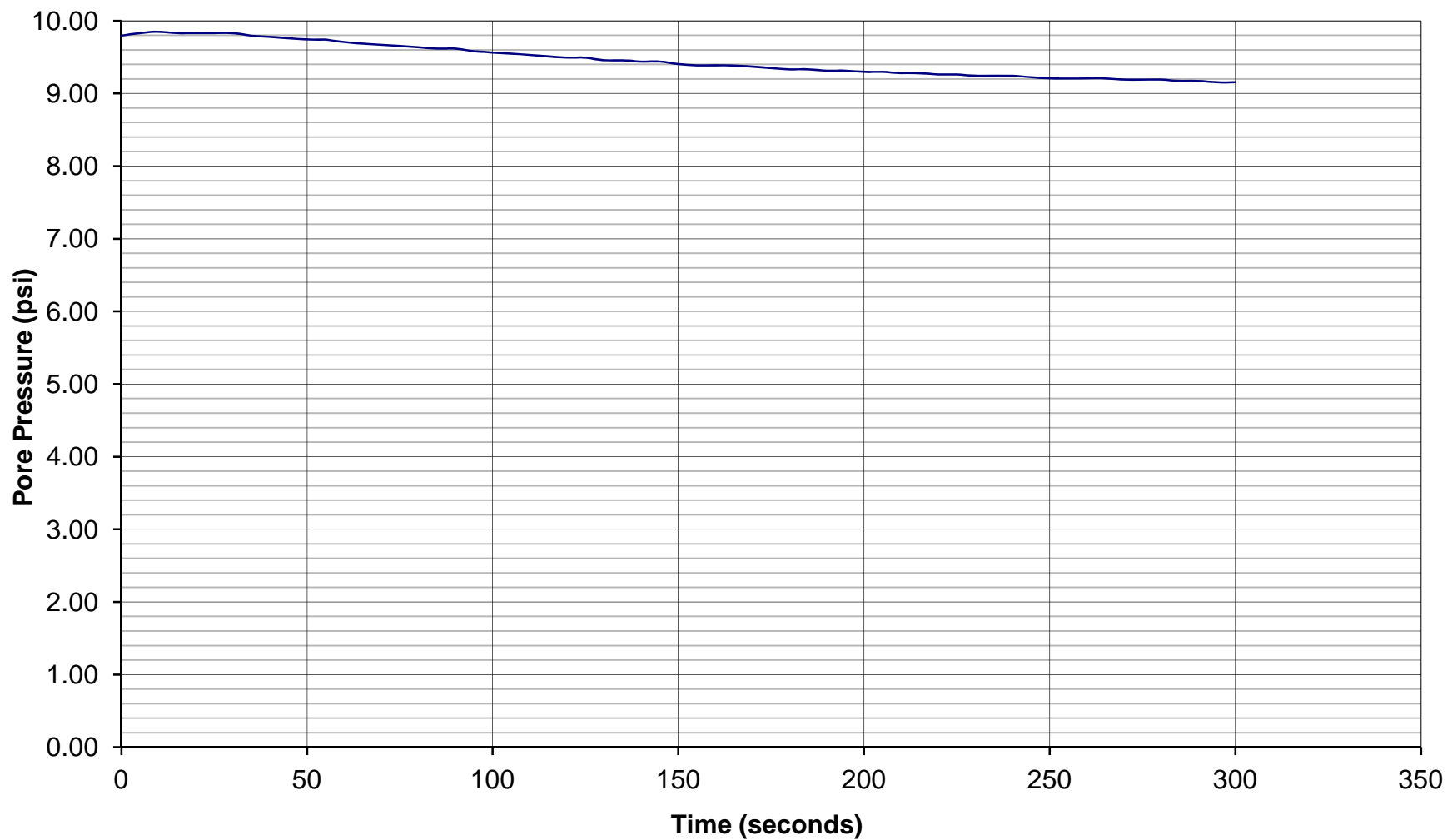
Pore Pressure Dissipation Test

Sounding: S0032CPT

Depth: 90.22 feet

Site: Fresno

Engineer: B. Kluzniak

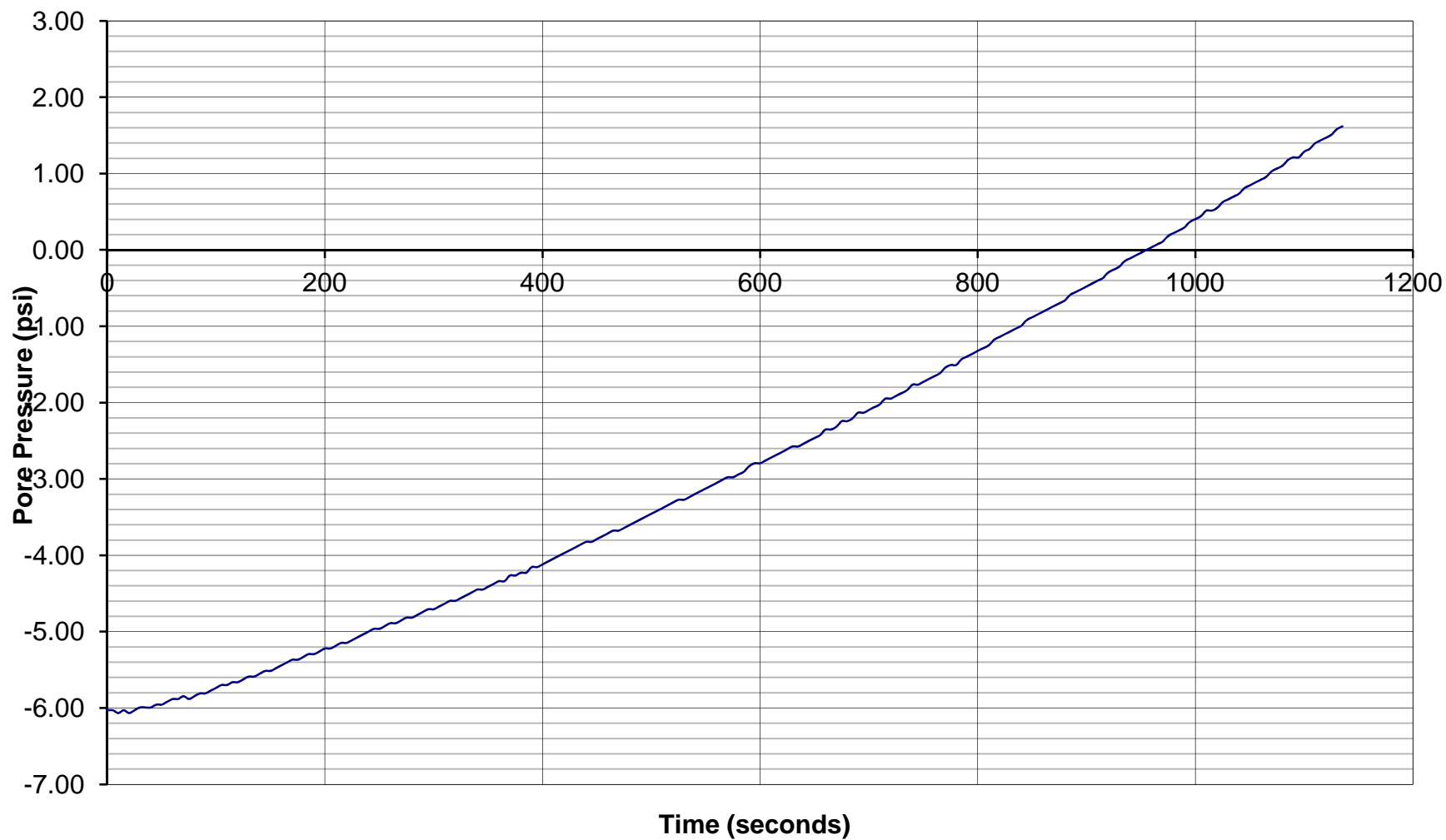




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0034ACPT
Depth: 95.14 feet
Site: Fresno
Engineer: B. Kluzniak

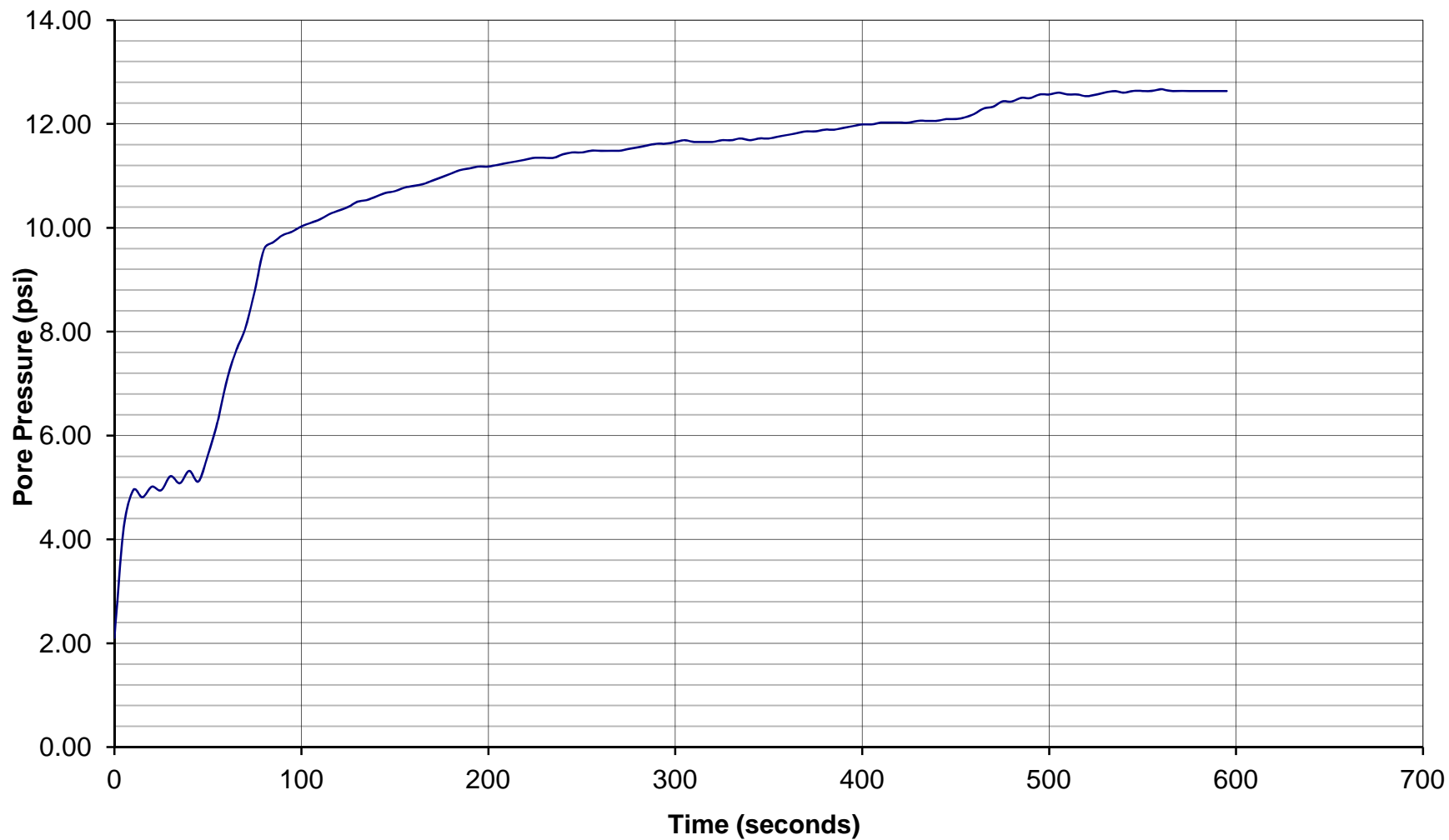




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0035CPT
Depth: 94 feet
Site: Fresno
Engineer: B. Kluzniak

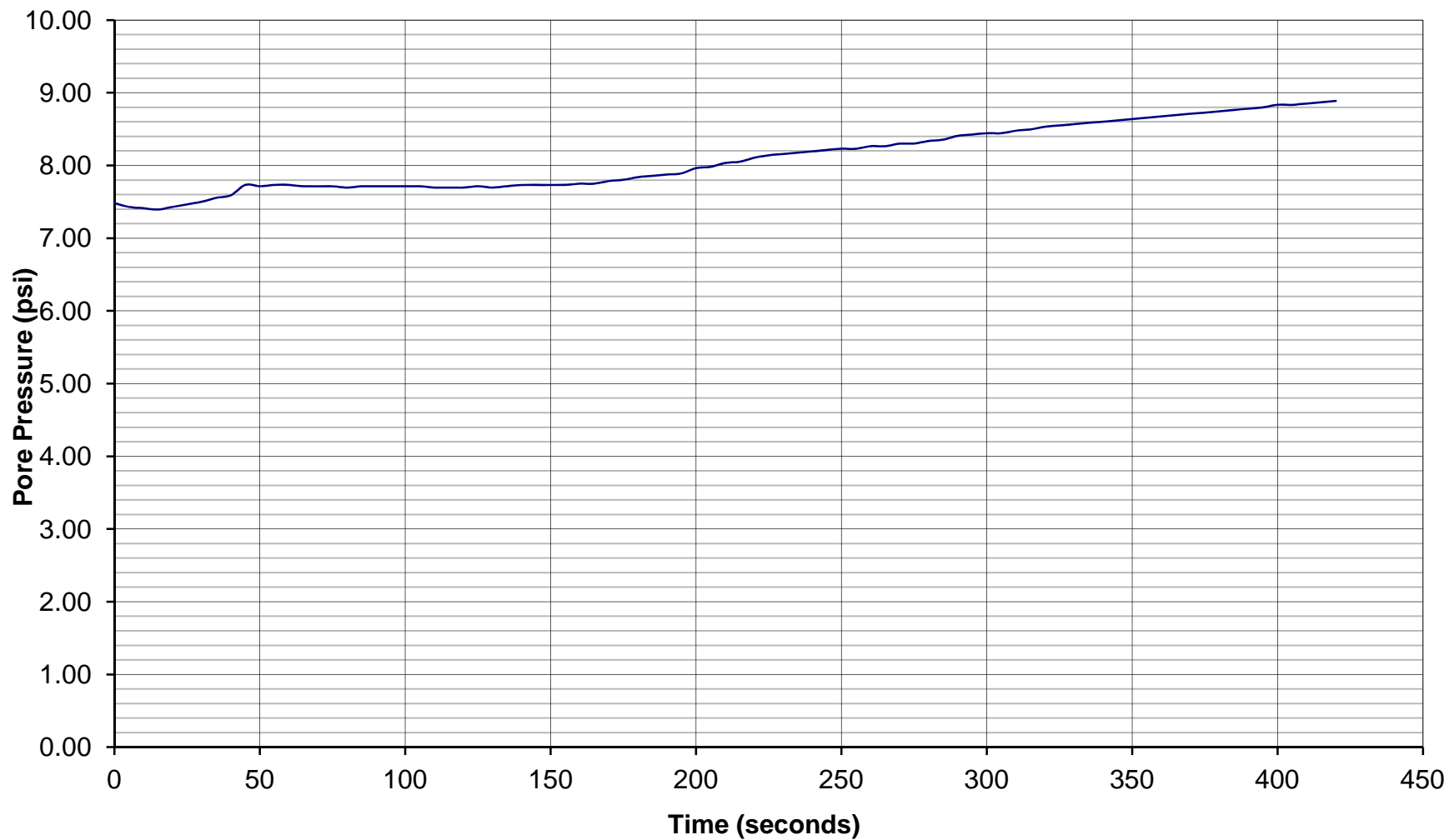




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0036ACPT
Depth: 100.39 feet
Site: Fresno
Engineer: B. Kluzniak





GREGG DRILLING & TESTING

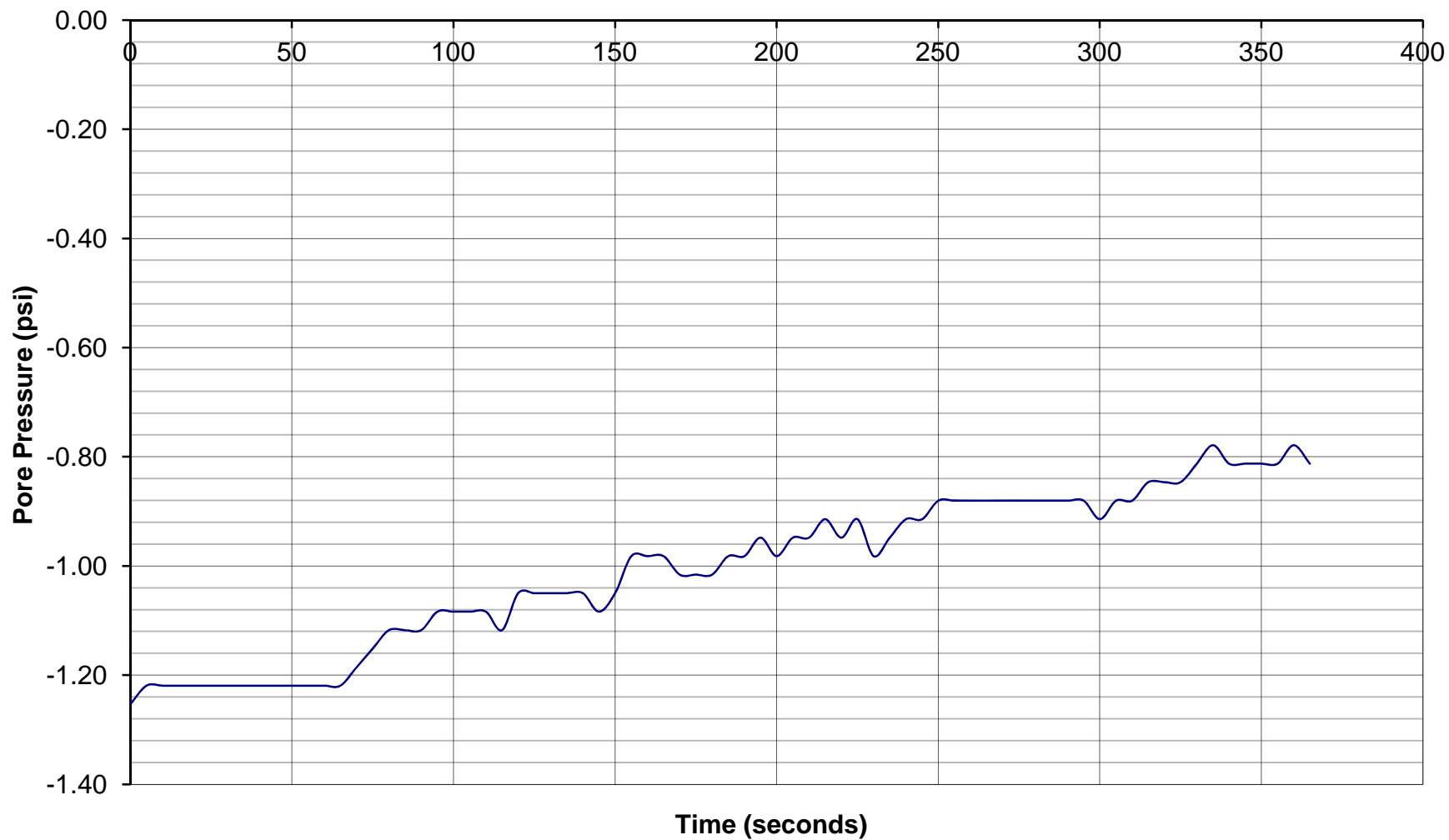
Pore Pressure Dissipation Test

Sounding: S0037CPT

Depth: 24.11 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

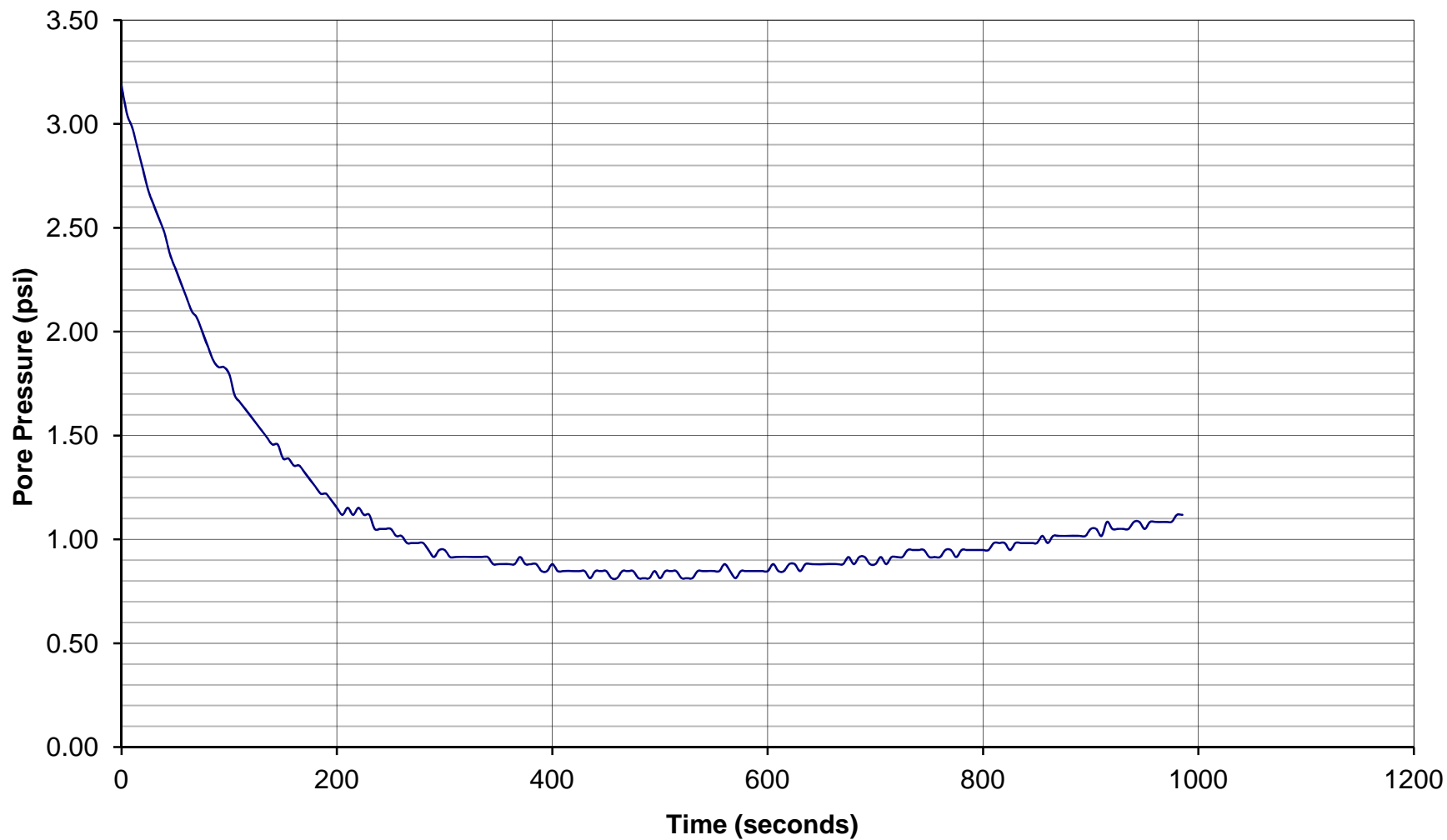
Pore Pressure Dissipation Test

Sounding: S0037CPT

Depth: 80.05 feet

Site: Fresno

Engineer: B. Kluzniak





GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: S0041CPT

Depth: 80.22 feet

Site: Fresno

Engineer: B. Kluzniak

